

## 2016 Corn Grain Top 30 Harvest Report

Missouri Northwest [ MONW ] BLUE RIDGE  
Doug Taggart, Harrison County, MO 64642



Test by: F.I.R.S.T. CCB, Inc., Elizabeth, IL

PREV. CROP/HERB: Soybean / Roundup, 2,4-D, Warrant  
SOIL DESCRIPTION: Edina silt loam, mod. well drained, non-irrigated  
SOIL CONDITION: Minimum w/o fall till, moderate P, moderate K, 6.8 pH, 3.4% OM  
PEST MANAGEMENT: Realm Q, Force  
FERTILITY - Applied N: 165 Fall  
Applied N-P-K (units): 165-0-0  
SEEDING - RATE - ROW: Apr 15 29,500 /A 30" spacing  
HARVESTED - STAND: Oct 13 29,300 /A

### Early-Season Test

**107 - 112 Day CRM**  
B2016MONW31a

### Top 30 of 42

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	RK871VT2P	VT2P,B	111	<b>216.5</b>	15.7	1	29.4	577	1
Golden Harvest	G07B39-3111A	3111,A	109	<b>211.7</b>	15.5	1	29.9	566	2
Renk	RK877DGV2P	VT2P,DG,B	111	<b>210.7</b>	15.6	1	28.9	562	3
Golden Harvest	G12W66-3000GT	3000GT	112	<b>209.1</b>	15.8	1	29.9	556	4
Taylor	8808VT2ProRIB	VT2P,B	108	<b>208.6</b>	15.8	1	29.4	555	6
Taylor	EXP A-109-13	VT2P,B	109	<b>208.1</b>	15.5	1	29.4	556	5
LG Seeds	LG5618STXRIB	STX,B	112	<b>207.5</b>	16.6	1	28.9	546	10
Pfister	71C1VX	HXT,RR2	111	207.4	15.6	1	28.4	553	7
Taylor	8821VT2Pro	VT2P	110	206.8	15.5	1	29.9	552	8
NuTech/G2 Gen	5F-709^	AM,AQ,B	109	205.6	15.7	1	28.4	548	9
NK Brand	N66V-3000GT	3000GT	110	205.3	15.8	1	29.4	546	11
Taylor	8012VT2ProDG	VT2P,DG,B	112	203.7	15.8	1	28.9	542	13
Prairie Brand	6247SX	STX	112	203.5	15.9	1	29.4	541	14
Augusta	A1108VT2ProRIB	VT2P,B	108	202.1	15.7	1	29.4	538	15
Dyna-Gro	D49VC39RIB	VT2P,B	109	200.3	15.6	1	29.9	534	16
Wyffels	W7456RIB	VT2P,B	112	200.0	16.6	1	28.9	526	18
Dyna-Gro	D51SS54	STX	111	199.5	15.6	1	29.9	532	17
FS InVISION	FS 61SV1 RIB	VT2P,B	111	196.6	15.7	1	29.4	524	20
LG Seeds	LG5548STXRIB	STX,B	108	196.6	15.7	1	29.4	524	21
LG Seeds	LG5554-3111	3111	108	196.1	15.4	1	28.9	525	19
Renk	RK815SSTX	STX	111	196.0	15.5	1	28.9	524	22
Golden Harvest	G07F23-3111	3111	107	194.5	15.3	1	28.4	521	23
FS InVISION	FS 62TV1DG RIB	VT2P,DG,B	112	194.5	15.6	1	28.9	519	24
NuTech	X5V-0707	3111	107	193.9	15.4	1	29.9	519	25
FS InVISION	FS 60QV1 RIB	VT2P,B	110	193.9	15.5	1	29.9	518	26
NuTech/G2 Gen	5F-510^	AM,B	110	192.8	15.8	1	28.4	513	27
NuTech/G2 Gen	5F-311^	AM,AQ,B	111	192.1	15.7	1	29.9	512	28
Prairie Brand	5815RA	STX,B	108	190.0	15.5	1	29.4	508	29
NuTech/G2 Gen	5F-308^	AM,B	108	189.8	15.8	1	28.4	505	31
Golden Harvest	G11F16-3111A	3111,A	111	189.4	15.5	1	29.4	506	30
Pioneer	P1311AMXT CK	AMXT,B	113	204.7	15.9	1	29.4	544	12

Averages = **195.4** **15.7** **1** **29.3** **520**

LSD (0.10) = 12.1 0.3 ns

LSD (0.25) = 8.4 0.2 ns

C.V. = 4.6 Prev. years average yield, 167.3 bu/a, 3 yrs

Randy Meinsma

randym@firstseedtests.com, (815) 238-8007

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.037 Prices: GMO = \$2.69; non-GMO = \$2.69

**Test Comments:** *The site was planted mid-April into very good soil conditions. Rainfall was plentiful most of the year, luckily no ponding occurred in the test area. Plants appeared healthy and stood very well at harvest. Ears were well pollinated with kernel fill to the tips. Ear shanks were getting weak and ears pointed downward. Cobs were strong and easy to shell kernels off. A few scattered weeds were noted.*

† 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: 10/14/2016 Revised:

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SOIL CONDITION: Minimum w/o fall till, moderate P, moderate K, 6.8 pH, 3.4% OM  
PEST MANAGEMENT: Realm Q, Force  
FERTILITY - Applied N: 165 Fall  
Applied N-P-K (units): 165-0-0  
SEEDING - RATE - ROW: Apr 15 29,500 /A 30" spacing  
HARVESTED - STAND: Oct 13 29,200 /A

**Full-Season Test**  
**113 - 116 Day CRM**  
B2016MONW31b

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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
Taylor	EXP C-115-13	VT2P	115	<b>223.4</b>	16.5	1	29.4	589	1
LG Seeds	LG5663VT2PRIB	VT2P,B	115	<b>221.6</b>	17.4	1	29.9	576	2
Kruger	K4R-9116	STX,B	116	<b>217.8</b>	17.6	1	27.9	565	5
Renk	RK924DGV2P	VT2P,DG,B	114	<b>217.7</b>	16.5	1	28.4	574	3
FS InVISION	FS 64SX1 RIB	STX,B	114	215.7	16.5	1	29.4	568	4
LG Seeds	LG5650STX	STX	114	215.3	17.2	1	28.4	562	6
Wyffels	W8268	STX	116	214.2	17.3	1	28.9	558	9
Renk	RK935SSTX	STX,B	114	213.4	16.5	1	29.4	562	7
Taylor	EXP A-113-13	VT2P	113	212.0	16.2	1	29.4	561	8
FS InVISION	FS 66ZV1	VT2P	116	211.5	17.4	1	29.9	550	11
Taylor	8835VT2Pro	VT2P	114	211.4	17.5	1	29.4	549	12
Renk	RK961SSTX	STX	116	208.3	16.2	1	29.4	551	10
NuTech/G2 Gen	5F-515^	AM,B	115	207.1	16.6	1	28.9	545	13
Prairie Brand	6394RA	STX,B	114	206.6	17.1	1	29.9	540	16
Wyffels	W7696RIB	VT2P,B	113	205.6	16.1	1	28.4	545	14
Wyffels	W8918	STX	116	205.6	16.8	1	29.4	539	17
Pfister	2770RASS	STX,B	113	205.1	17.4	1	28.4	534	19
Kruger	KR-4917	VT2P,B	116	202.7	17.2	1	29.4	529	21
Lewis	14DP857	VT2P,B	114	201.8	16.0	1	28.9	535	18
NuTech	5N-914	3000GT	114	201.6	17.0	1	29.4	527	23
Renk	RK941SSTX	STX,B	114	201.4	16.8	1	29.4	528	22
Taylor	8070VT2ProDG	VT2P,DG	112	201.0	15.9	1	28.9	534	20
NuTech/G2 Gen	5F-015^	AM,B	115	200.5	17.1	1	29.9	524	24
NK Brand	N74R-3000GT GC	3000GT	114	197.5	17.1	1	28.9	516	26
Pfister	73C1VX	HXT,RR2	113	196.2	16.0	1	29.4	521	25
Pfister	73A2SS	STX	113	195.7	16.9	1	28.9	513	27
Prairie Brand	6367SX	STX	113	193.9	16.8	1	29.4	509	29
Golden Harvest	G14R38-3000GT	3000GT	114	193.9	17.0	1	28.9	507	30
LG Seeds	LG5643STX	STX	114	193.2	16.3	1	29.4	510	28
NuTech/G2 Gen	5F-713^	AM,B	113	192.5	16.7	1	29.4	506	31
Pioneer	P1311AMXT CK	AMXT,B	113	204.5	16.2	1	29.4	541	15

Averages = **200.7** **16.8** **1** **29.2** **526**

LSD (0.10) = 15.9 0.4 ns

LSD (0.25) = 11.1 0.3 ns

C.V. = 5.8 Prev. years average yield, 167.3 bu/a, 3 yrs

Randy Meinsma

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**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.037 Prices: GMO = \$2.69; non-GMO = \$2.69

**Test Comments:** *The site was planted mid-April into very good soil conditions. Rainfall was plentiful most of the year, luckily no ponding occurred in the test area. Plants appeared healthy and stood very well at harvest. Ears were well pollinated with kernel fill to the tips. Ear shanks were getting weak and ears pointed downward. Cobs were strong and easy to shell kernels off. A few scattered weeds were noted.*

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2016 Corn Grain - Missouri Northwest [ MONW ]



**Early-Season Test Products (42 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Augusta	A1108VT2ProRIB	VT2P,B	AC,P2	108					
Augusta	A5062GT3110	3110	AVC,C5	112					
Dyna-Gro	D49VC39RIB	VT2P,B	AC,P2	109					
Dyna-Gro	D51SS54	STX	AC,P5V	111					
FS InVISION	FS 60LX1	STX	AC,P5V	110					
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	G07B39-3111A	3111,A	AVC,C2,Vi	109					
Golden Harvest	G07F23-3111	3111	AVC,C2,Vi	107					
Golden Harvest	G11F16-3111A	3111,A	AVC,C5,Vi	111					
Golden Harvest	G12W66-3000GT	3000GT	AVC,C5,Vi	112					
Lewis	10SS747	STX,B	AC,P5V	110					
LG Seeds	LG5548STXRIB	STX,B	AC,P5V	108					
LG Seeds	LG5554-3111	3111	AVC,C5,Vi	108					
LG Seeds	LG5565STXRIB	STX,B	AC,P5V	108					
LG Seeds	LG5618STXRIB	STX,B	AC,P5V	112					
NK Brand	N66V-3000GT	3000GT	AVC,C5,Vi	110					
NK Brand	N70J-3111A	3111,A	AVC,C5,Vi	112					
NuTech	5N-410	3000GT	MQ,P5V,R	110					
NuTech	X5V-0707	3111	AVC,C2,Vi	107					
NuTech/G2 Gen	5F-308^	AM,B	MQ,P5V,R	108					
NuTech/G2 Gen	5F-311^	AM,AQ,B	MQ,P5V,R	111					
NuTech/G2 Gen	5F-510^	AM,B	MQ,P5V,R	110					
NuTech/G2 Gen	5F-709^	AM,AQ,B	MQ,P5V,R	109					
Pfister	2545RASS	STX,B	CM,C5,Vi,In	107					
Pfister	3366RASS	STX,B	CM,C5,Vi,In	112					
Pfister	70A1SSR	STX	CM,C1,Vi,In	110					
Pfister	71C1VX	HXT,RR2	CM,C1,Vi,In	111					
Pioneer	P1311AMXT CK	AMXT,B	MQ,P1V,R	113					
Prairie Brand	5815RA	STX,B	CM,C5,Vi,In	108					
Prairie Brand	6247SX	STX	CM,C1,Vi,In	112					
Renk	RK810SSTX	STX,B	AC,P5V	110					
Renk	RK815SSTX	STX	AC,P5V	111					
Renk	RK871VT2P	VT2P,B	AC,P2	111					
Renk	RK877DGV2P	VT2P,DG,B	AC,P2	111					
Taylor	8012VT2ProDG	VT2P,DG,B	AC,P2	112					
Taylor	8808VT2ProRIB	VT2P,B	CM,C2	108					
Taylor	8821VT2Pro	VT2P	AC,P2	110					
Taylor	EXP A-109-13	VT2P,B	AC,P2	109					
Wyffels	W6946DGRIB	VT2P,DG,B	AC,P2	111					
Wyffels	W7456RIB	VT2P,B	AC,P2	112					

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**Full-Season Test Products (42 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Augusta	A5664GT3000	3000GT	CM,C1	114					
Epley	E2305RR	RR2	MQ	113					
FS InVISION	FS 63ZV1 RIB	VT2P,B	AC,P2	113					
FS InVISION	FS 64SX1 RIB	STX,B	AC,P5V	114					
FS InVISION	FS 66ZV1	VT2P	AC,P5V	116					
Golden Harvest	G14R38-3000GT	3000GT	AVC,C5,Vi	114					
Golden Harvest	G16K01-3111	3111	AVC,C5,Vi	116					
Golden Harvest	G18D87-3000GT	3000GT	AVC,C5,Vi	118					
Kruger	K4R-9116	STX,B	AC,P5V	116					
Kruger	KR-4917	VT2P,B	AC,P5V	116					
Lewis	14DP857	VT2P,B	AC,P5V	114					
LG Seeds	LG5643STX	STX	AC,P5V	114					
LG Seeds	LG5650STX	STX	AC,P5V	114					
LG Seeds	LG5663VT2PRIB	VT2P,B	AC,P5V	115					
NK Brand	N74R-3000GT GC	3000GT	AVC,C5,Vi	114					
NK Brand	N78S-3111 GC	3111	AVC,C5,Vi	116					
NuTech	5N-914	3000GT	MQ,P5V,R	114					
NuTech/G2 Gen	5F-015^	AM,B	MQ,P5V	115					
NuTech/G2 Gen	5F-515^	AM,B	MQ,P5V,R	115					
NuTech/G2 Gen	5F-713^	AM,B	MQ,P5V,R	113					
NuTech/G2 Gen	X5Z-1509^	OI	MQ,P1V,R	115					
Pfister	2770RASS	STX,B	CM,C5,Vi,In	113					
Pfister	3488HR	HX,RR2	CM,C5,Vi,In	115					
Pfister	73A2SS	STX	CM,C1,Vi,In	113					
Pfister	73C1VX	HXT,RR2	CM,C1,Vi,In	113					
Pioneer	P1311AMXT CK	AMXT,B	MQ,P1V,R	113					
Prairie Brand	6367SX	STX	CM,C1,Vi,In	113					
Prairie Brand	6394RA	STX,B	CM,C5,Vi,In	114					
Renk	RK924DGV2P	VT2P,DG,B	AC,P2	114					
Renk	RK935SSTX	STX,B	AC,P5V	114					
Renk	RK941SSTX	STX,B	AC,P5V	114					
Renk	RK961SSTX	STX	AC,P5V	116					
Stine	R9741VT3Pro GC	VT3P,B	AC,P2	112					
Stine	R9808EVT3Pro GC	VT3P,B	AC,P2	114					
Taylor	8070VT2ProDG	VT2P,DG	AC,P2	112					
Taylor	8835VT2Pro	VT2P	AC,P2	114					
Taylor	EXP A-113-13	VT2P	AC,P2	113					
Taylor	EXP C-115-13	VT2P	AC,P2	115					
Wyffels	W7696RIB	VT2P,B	AC,P2	113					
Wyffels	W7888RIB	STX,B	AC,P5V	114					
Wyffels	W8268	STX	AC,P5V	116					
Wyffels	W8918	STX	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. VPMaxx® 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®, VPMaxx® 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)	HX	Herculex® 1, contains LL
3010	Agrisure® 3010 (CB,LL,GT)	HX,RR2	Herculex® 1, Roundup Ready 2 Corn
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)
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	HXT,RR2	Herculex® Xtra, Roundup Ready 2 Corn
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	LL	LibertyLink®
A	Agrisure® Artesian®	None	conventional corn
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
AMT	Optimum® AcreMax® TRIsect (HX,RW,LL,RR2)	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	OIXT	Optimum® Intrasect® Xtreme, CYXR (YGCB,HXT,RW,LL,RR2)
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	RR2	Roundup Ready® 2 Corn
AQ	Optimum® AQUAMax®	RW	Agrisure® Rootworm
B	Refuge Blend	STX	SmartStax® (VT3P,HXT,RR2,LL)
CB	Agrisure® Corn Boreer	VT2P	Genuity® VT Double PRO®
DG	Genuity® DroughtGard®	VT3P	Genuity® VT Triple PRO®
GT	Agrisure® GT	YGCB	YieldGard® Corn Borer
GT/CB/LL	Agrisure® GT/CB/LL		

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

### Corn Seed Treatments\*\*

n/a	information not provided	In	Intego™ Solo
A	Allegiance®	L	Lorsban®
AC	Accelaron® fungicide products	Lu	Lumivia™
AChD	Accelaron® fungicide products	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	V	Votivo®
D	Dynasty®	Vi	Vibrance®
Es	Escalate®		

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