

2018 Corn Grain Top 30 Harvest Report

Missouri North [MONO] GREENTOP
Terry Sevits, Schuyler County, MO 63546



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

PREV. CROP/HERB: Soybean / Outlook, Zidua, Flexstar, Select Max
SOIL DESCRIPTION: Edina-Seymour silty clay loam, moderately drained, non-irrigated
SOIL CONDITION: Conventional w/o fall till, low P, medium K, 5.6 pH, 3.0% OM, 15.9 CEC
PEST MANAGEMENT: Corvus, Force 3G
FERTILITY - Applied N: 200 Spring
Applied N-P-K (units): 200-50-100
SEEDING - RATE - ROW: Apr 29 30,400 /A 30" spacing
HARVESTED - STAND: Sep 26 29,800 /A

Early-Season Test
107 - 112 Day CRM
B2018MONO04a

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
Pfister	71C1PCR	PC,B	111	199.2	17.8	1	29.7	628	1
Epley	E2201GTCBLL	3010	112	195.7	17.3	1	30.0	620	2
FS InVISION	FS 62TV1DG RIB	VT2P,DG,B	112	192.6	16.6	13	30.0	615	3
Golden Harvest	G08M20-3010	3010	108	190.6	16.0	5	29.7	613	4
Lewis	10DP747	VT2P,B	110	189.5	16.9	4	29.3	603	5
Champion	61A19VT2ProRIB	VT2P	111	188.9	16.6	4	29.7	603	6
AgriGold	A641-78STXRIB	STX,B	111	187.3	16.3	2	30.0	600	7
Epley	E2001GTCBLL	3010	110	186.8	16.6	1	30.0	597	8
AgriGold	A642-59STXRIB	STX,B	112	186.5	16.7	6	29.7	595	9
FS InVISION	FS 62ZX1 RIB	STX,B	112	186.0	16.6	4	30.0	594	10
Renk	RK842SSTX	STX	112	185.6	16.9	1	30.0	591	12
Pfister	69E2SSR	STX,B	109	185.3	16.8	1	29.3	591	13
LG Seeds	LG5606STXRIB	STX,B	111	184.8	16.4	7	29.3	592	11
Champion	62A18VT2ProRIB	VT2P,B	112	184.5	16.8	7	30.0	588	16
Lewis	12DP779	VT2P,B	112	184.3	16.4	17	30.0	590	14
NuTech/G2 Gen	5FB-1010	AM,B	110	184.2	16.3	9	29.7	590	15
LG Seeds	LG62C02STX	STX	112	184.2	16.7	1	30.0	588	17
NuTech	5VN-4707	3111	107	183.9	16.5	1	29.7	588	18
Dyna-Gro	D52SS63	STX	112	182.9	16.4	2	29.7	585	20
NuTech/G2 Gen	5FN-8808	OI	108	182.8	16.2	1	29.3	586	19
Great Heart	HT-7244VT2PRIB	VT2P,B	112	182.8	17.1	2	30.0	581	21
NK Brand	NK0962-3220A-EZR	3220,A,B	109	181.7	16.6	13	29.7	580	22
Golden Harvest	G11A33-3111	3111	111	181.6	16.7	1	29.7	579	24
Renk	RK779SSTX	STX	108	181.2	16.4	1	30.3	580	23
FS InVISION	FS 60QV1 RIB	VT2P,B	110	180.6	16.2	25	29.3	579	25
Lewis	10DP719	VT2P,B	110	180.6	16.7	12	30.0	576	27
Wyffels	W7456RIB	VT2P,B	112	180.4	17.0	6	30.3	574	28
AgriGold	A638-74VT2PRO	VT2P	108	180.3	16.4	1	30.0	577	26
Golden Harvest	G08D29-3120A-EZR	3120,A,B	108	179.8	16.6	1	29.7	574	29
Green Valley	GV8282VT2PRORIB	VT2P,B	112	179.7	16.6	14	29.3	574	30
Pioneer	P1366AM CK	AM,B	113	177.1	16.7	1	29.7	565	35

Averages = **180.5** **16.7** **6** **29.8** **576**

LSD (0.10) = 11.5 0.3 7

LSD (0.25) = 6.0 0.2 4

C.V. = 6.0 Prev. years average yield, 185.3 bu/a, 6 yrs

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

Test Comments: Trial went in timely. Seedlings emerged quickly and final stands were uniform. Drought stressed during the growing season, but not as severe as other FIRST corn trials in northwest Missouri. Stalk quality was decent at harvest given the stress this site endured. Some ear tip die-back was noticed. Terry mentioned getting yields around 170 bu/ac nearby. Overall, a good upland Missouri trial.

† 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: Corvus, Force 3G
FERTILITY - Applied N: 200 Spring
Applied N-P-K (units): 200-50-100
SEEDING - RATE - ROW: Apr 29 30,400 /A 30" spacing
HARVESTED - STAND: Sep 26 29,800 /A

Full-Season Test
113 - 116 Day CRM
B2018MONO04b

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	15DP899	VT2P,B	115	199.9	17.4	2	30.0	633	1
Dyna-Gro	D55VC45	VT2P	115	196.1	17.0	1	30.0	624	2
AgriGold	A646-12STXRIB	STX,B	116	194.8	17.4	6	29.7	617	3
Renk	RK945DGV2P	VT2P,DG	115	194.1	17.4	1	29.7	615	4
Pfister	75Y1PCR	PC,B	115	192.0	17.8	1	30.7	605	7
Lewis	R1414VT2P	VT2P,B	114	190.9	16.8	4	29.7	608	5
Renk	RK937SSTX	STX	113	190.6	17.1	1	30.0	605	8
Great Heart	HT-7302VT2PRIB	VT2P,B	113	190.3	16.6	1	29.7	608	6
LG Seeds	LG5650VT2RIB	VT2P,B	115	190.2	17.3	1	29.7	603	9
LG Seeds	LG5643VT2RIB	VT2P,B	114	188.7	17.3	1	29.7	598	10
FS InVISION	FS 64RL0 EZR	3120,B	114	188.1	18.0	2	29.7	592	14
Renk	RK965VT2P	VT2P,B	116	187.7	17.7	1	29.7	592	15
LG Seeds	LG5663VT2RIB	VT2P,B	115	187.2	17.2	9	29.3	594	12
AgriGold	A6572VT2RIB	VT2P,B	114	187.0	16.9	6	29.7	595	11
Renk	RK961VT2P	VT2P,B	116	186.6	16.9	7	29.3	594	13
Champion	CSX65A17VT2ProRIB	VT2P,B	115	186.6	17.3	7	29.7	591	16
NK Brand	NK1573-3110	3110	115	184.5	17.0	7	30.0	587	17
Champion	CSX64A15DGV2ProRIB	VT2P,DG,B	114	183.8	17.5	1	29.3	581	18
NuTech/G2 Gen	5FN-2213	OI	113	182.8	17.2	3	29.0	580	19
Wyffels	W7976RIB	VT2P,B	113	182.6	17.3	1	30.0	579	21
Pfister	77C1SE	STX,E	117	182.6	19.0	1	29.7	568	26
Lewis	14DP857	VT2P,B	114	182.4	17.2	2	29.7	579	22
AgriGold	A6544VT2RIB	VT2P,B	113	182.4	17.5	6	30.0	577	23
FS InVISION	FS 64SV1 RIB	VT2P,B	114	181.9	16.7	17	30.0	580	20
Pioneer	P1637AM GC	AM,B	116	181.6	17.7	13	29.7	573	24
NuTech/G2 Gen	5FB-4516	AM,B	116	180.6	18.1	4	29.0	567	27
NuTech/G2 Gen	5FB-6313	AM,B	113	180.4	18.1	1	30.0	567	28
Lewis	16DP887	VT2P,B	116	179.6	17.4	2	29.7	569	25
Wyffels	W8646RIB	VT2P,B	116	178.6	17.8	9	29.3	563	30
Golden Harvest	G13T41-3010	3010	113	177.8	17.3	2	29.7	564	29
Pioneer	P1366AM CK	AM,B	113	177.5	17.2	1	29.7	563	31

William C. Schelp

William Schelp

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Averages = **180.7** **17.4** **5** **29.8** **572**

LSD (0.10) = 14.4 0.4 8

LSD (0.25) = 7.6 0.2 4

C.V. = 7.6 Prev. years average yield, 185.3 bu/a, 6 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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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.