

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

2019 Corn Grain Top 30 Harvest Report

Missouri North [MONO] ST. JOSEPH, MO
Jeff Gaskill, Buchanan County, MO 64098

Early-Season Test	107 - 112 Day CRM B2019MONO01a
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Authority First, Zidua, Roundup
SOIL DESCRIPTION:	Modale silt loam, moderately drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, low P, very high K, 7.7 pH, 1.9% OM, 15.4 CEC
PEST MANAGEMENT:	Degree Xtra, Impact, Glyphosate, Force 3g
FERTILITY - Applied N:	200 Spring
Applied N-P-K (units):	200-40-60
SEEDED - RATE - ROW:	Apr 20 32.4 /A 30" spacing
HARVESTED - STAND:	Nov 14 31.9 /A

TEST COMMENTS:

The soil profile was saturated while plants were young. Spring rainfall was frequent. This, combined with a Missouri River that was full, kept the rootzone very wet. Jeff, the host farmer, mentioned that excess moisture was affecting the site, but it was not clear yet how the field responded. The soil did dry out and ended up providing good results. There was good stalk quality with easy shelling of a mature crop by harvest.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
LG SEEDS	LG62C35VT2	VT2P	112	212.7	15.8	4	32.0	739	1
NUTECH	5FB-1111AM	AM,B	111	212.1	15.8	4	32.0	736	2
LEWIS	08DP739	VT2P,B	108	211.0	15.6	1	32.3	734	3
NK BRAND	NK0821-3120A	3120,A,B	108	208.9	15.4	1	32.0	728	5
GOLDEN HARVEST	G10L16-3330A-EZR	3330,A,B	110	208.8	15.1	5	32.3	730	4
GOLDEN HARVEST	G12U17-3010	3010	112	207.7	15.6	1	31.3	722	6
DEKALB	DKC62-53RIB GC	VT2P,B	112	207.3	15.7	1	32.0	720	7
LEWIS	09DP720	VT2P,B	109	205.6	15.1	1	32.3	719	8
FEDERAL	6280VT2PRIB	VT2P,B	112	205.0	15.7	6	32.7	712	9
PIONEER	P1197AM GC	AM,B	111	203.8	15.3	1	32.0	711	10
DEKALB	DKC60-88RIB GC	VT2P,B	110	202.2	15.5	1	31.0	704	11
LEWIS	10DP719	VT2P,B	110	201.2	15.4	2	31.7	701	12
NUTECH	68B3AML	OL,B	108	200.5	15.4	2	32.0	699	13
DYNA-GRO	D52VC15	VT2P	111	200.2	15.6	2	33.0	696	14
LEWIS	09DD740	VT2P,DG,B	109	198.2	15.3	5	31.3	691	15
GREEN VALLEY	GV8282VT2PRORIB	VT2P,B	112	198.0	15.6	1	32.3	689	16
CHAMPION	61A19VT2PRORIB	VT2P,B	111	197.6	15.7	2	32.0	687	17
DYNA-GRO	D51VC67	VT2P	110	196.0	15.6	6	32.3	682	18
CHAMPION	62A18VT2PRORIB	VT2P,B	112	195.3	16.0	3	31.3	677	19
NUTECH	70B2Q	QR,B	110	194.2	15.6	2	32.0	675	20
DYNA-GRO	D52VC63	VT2P	112	193.8	15.8	6	32.3	673	22
FS INVISION	FS 60UV1 RIB	VT2P,B	110	193.6	15.7	4	32.3	673	23
LEWIS	12DP779	VT2P,B	112	193.0	15.3	5	32.3	674	21
FS INVISION	FS 6194V RIB	VT2P,B	111	192.8	15.3	2	32.3	673	24
CHAMPION	60A20 VT2 PRO	VT2P,B	110	192.5	15.9	2	32.3	668	25
NK BRAND	NK1205-3120-EZR	3120,B	112	191.7	15.6	5	30.3	667	26
GREEN VALLEY	GV7992VT2PRORIB	VT2P,B	109	191.0	15.6	2	31.3	664	28
NUTECH	5FB-8808AM	AM,B	108	190.8	15.4	9	31.3	665	27
RENK	RK807SSTX	STX	111	190.1	15.5	5	32.3	662	31
NK BRAND	NK1082-3330A-EZR	3330,A,B	110	189.3	15.0	9	32.7	663	30
PIONEER	P1366AM CK	AM,B	113	190.5	15.5	1	30.7	663	29

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Averages =	195.2	15.5	3	31.9	680
LSD (0.10) =	12.4	0.2	3		
LSD (0.25) =	6.5	0.1	2		
C.V. =	6.0				

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.035 Prices: GMO = \$3.50; non-GMO = \$3.50

Report Date: 11/19/2019

Additional reports available at www.firstseedtests.com

† 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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Jeff Gaskill, Buchanan County, MO 64098

Full-Season Test	113 - 116 Day CRM B2019MONO01b
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Authority First, Zidua, Roundup
SOIL DESCRIPTION:	Modale silt loam, moderately drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, low P, very high K, 7.7 pH, 1.9% OM, 15.4 CEC
PEST MANAGEMENT:	Degree Xtra, Impact, Glyphosate, Force 3g
FERTILITY - Applied N:	200 Spring
Applied N-P-K (units):	200-40-60
SEEDED - RATE - ROW:	Apr 20 32.4 /A 30" spacing
HARVESTED - STAND:	Nov 14 31.7 /A

TEST COMMENTS:

The soil profile was saturated while plants were young. Spring rainfall was frequent. This, combined with a Missouri River that was full, kept the rootzone very wet. Jeff, the host farmer, mentioned that excess moisture was affecting the site, but it was not clear yet how the field responded. The soil did dry out and ended up providing good results. There was good stalk quality with easy shelling of a mature crop by harvest.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
LEWIS	15DP899	VT2P,B	115	209.5	16.7	1	31.3	721	1
LG SEEDS	LG5643VT2RIB	VT2P,B	113	207.6	16.2	4	31.3	718	2
FEDERAL	6500TRE	TRE	115	207.3	16.9	1	32.3	712	4
RENK	RK965VT2P	VT2P,B	116	207.3	16.2	2	32.3	717	3
LEWIS	16DP850	VT2P,B	116	205.4	17.0	1	31.3	705	5
NK BRAND	NK1573-3330-EZR	3330,B	115	201.9	15.8	6	32.0	701	6
FS INVISION	FS 6595V RIB	VT2P,B	115	200.9	16.5	1	32.0	692	7
FEDERAL	6680VT2PRIB	VT2P,B	116	199.1	17.1	1	31.7	682	10
LEWIS	16DP887	VT2P,B	116	198.7	17.2	5	32.3	680	11
WYFFELS	W7878	STX	114	198.6	16.4	1	32.0	685	8
LEWIS	14DD849	VT2P,DG,B	114	198.0	16.4	1	32.7	684	9
RENK	9-115SSTX	STX	115	196.6	16.4	1	32.0	678	12
CHAMPION	64A20 VT2 PRO	VT2P,B	114	195.7	16.4	4	31.3	675	13
CHAMPION	66A18VT2PRORIB	VT2P,B	116	195.5	16.8	1	32.3	672	15
GREEN VALLEY	GV8472VT2PRORIB	VT2P,B	114	195.2	16.7	1	32.0	671	16
NUTECH	75G1AM	AM,B	115	195.1	16.4	4	31.7	673	14
NK BRAND	NK1354-3220-EZR	3220,B	113	193.3	15.9	2	31.7	670	17
LEWIS	R1414VT2P	VT2P,B	114	193.0	16.0	1	31.7	669	18
WYFFELS	W8646RIB	VT2P,B	116	192.3	16.8	1	32.0	661	20
FS INVISION	FS 66ZV1 RIB	VT2P,B	116	191.7	16.8	1	30.0	659	21
GREEN VALLEY	GV8392VT2PRORIB	VT2P,B	113	190.8	15.7	4	31.3	663	19
NUTECH	5FB-6313AM	AM,B	113	190.0	15.9	1	31.3	659	22
FEDERAL	6580VT2PRIB	VT2P,B	115	189.9	16.4	1	31.7	655	26
RENK	RK945DGVT2P	VT2P,DG,B	115	189.7	16.2	1	31.3	656	24
RENK	RK937VT2P	VT2P,B	113	189.6	15.9	1	31.0	658	23
WYFFELS	W7696RIB	VT2P,B	113	189.2	15.9	1	31.3	656	25
GOLDEN HARVEST	G15L32-3330-EZR	3330,B	115	188.5	15.8	1	31.0	655	27
NUTECH	75D2AM	AM,B	115	188.4	16.2	2	31.3	651	28
GOLDEN HARVEST	G13H15-3120-EZR	3120,B	113	187.8	15.9	2	31.3	651	29
FS INVISION	FS 63ZV1 RIB	VT2P,B	113	187.4	16.2	1	32.0	648	30
PIONEER	P1366AM CK	AM,B	113	183.6	15.6	1	30.7	639	34
				Averages =	191.6	16.3	2	31.7	662
				LSD (0.10) =	12.3	0.2	2		
				LSD (0.25) =	6.4	0.1	1		
				C.V. =	6.1				

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.035 Prices: GMO = \$3.50; non-GMO = \$3.50

Report Date: 11/19/2019

† 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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2019 Corn - Missouri North [MONO]

Early-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technology	RM
CHAMPION	58A18VT2PRORIB	VT2P,B	108
CHAMPION	60A20 VT2 PRO	VT2P,B	110
CHAMPION	61A19VT2PRORIB	VT2P,B	111
CHAMPION	62A18VT2PRORIB	VT2P,B	112
DEKALB	DKC60-88RIB GC	VT2P,B	110
DEKALB	DKC62-53RIB GC	VT2P,B	112
DYNA-GRO	D51VC67	VT2P	110
DYNA-GRO	D52VC15	VT2P	111
DYNA-GRO	D52VC63	VT2P	112
FEDERAL	6280VT2PRIB	VT2P,B	112
FS INVISION	FS 57ZV1 RIB	VT2P,B	107
FS INVISION	FS 59VL1 EZR	3220,B	109
FS INVISION	FS 60UV1 RIB	VT2P,B	110
FS INVISION	FS 6194V RIB	VT2P,B	111
FS INVISION	FS 62ZV1 RIB	VT2P,B	112
GOLDEN HARVEST	G08R52-3220-EZR	3220,B	108
GOLDEN HARVEST	G10L16-3330A-EZR	3330,A,B	110
GOLDEN HARVEST	G12U17-3010	3010	112
GREEN VALLEY	GV7992VT2PRORIB	VT2P,B	109
GREEN VALLEY	GV8102VT2PRORIB	VT2P,B	111
GREEN VALLEY	GV8282VT2PRORIB	VT2P,B	112
LEWIS	08DP739	VT2P,B	108
LEWIS	09DD740	VT2P,DG,B	109
LEWIS	09DP720	VT2P,B	109
LEWIS	10DP719	VT2P,B	110
LEWIS	12DP779	VT2P,B	112
LG SEEDS	LG62C02VT2RIB	VT2P,B	112
LG SEEDS	LG62C35VT2	VT2P	112
NK BRAND	NK0821-3120A	3120,A,B	108
NK BRAND	NK1082-3330A-EZR	3330,A,B	110
NK BRAND	NK1205-3120-EZR	3120,B	112
NUTECH	5FB-1111AM	AM,B	111
NUTECH	5FB-8808AM	AM,B	108
NUTECH	68B3AML	OL,B	108
NUTECH	69A6Q	QR,B	109
NUTECH	70B2Q	QR,B	110

Company/Brand	Brand/Product	Technology	RM
PIONEER	P1138AM GC	AM	111
PIONEER	P1197AM GC	AM,B	111
PIONEER	P1298AM GC	AM	112
PIONEER	P1366AM CK	AM,B	113
RENK	RK807SSTX	STX	111
RENK	RK842SSTX	STX,B	112

2019 Corn - Missouri North [MONO]

Full-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technology	RM
CHAMPION	63A13 VT2 PRO GC	VT2P,B	113
CHAMPION	64A15 DG VT2	VT2P,DG,B	114
CHAMPION	64A20 VT2 PRO	VT2P,B	114
CHAMPION	66A18VT2PRORIB	VT2P,B	116
FEDERAL	6500TRE	TRE	115
FEDERAL	6580VT2PRIB	VT2P,B	115
FEDERAL	6680VT2PRIB	VT2P,B	116
FS INVISION	FS 63ZV1 RIB	VT2P,B	113
FS INVISION	FS 64SV1 RIB	VT2P,B	114
FS INVISION	FS 64SX1 RIB	STX,B	114
FS INVISION	FS 6595V RIB	VT2P,B	115
FS INVISION	FS 66ZV1 RIB	VT2P,B	116
GOLDEN HARVEST	G13H15-3120-EZR	3120,B	113
GOLDEN HARVEST	G13T41-3120-EZR	3120,B	113
GOLDEN HARVEST	G15L32-3330-EZR	3330,B	115
GREEN VALLEY	GV8392VT2PRORIB	VT2P,B	113
GREEN VALLEY	GV8472VT2PRORIB	VT2P,B	114
LEWIS	14DD849	VT2P,DG,B	114
LEWIS	15DP899	VT2P,B	115
LEWIS	16DP850	VT2P,B	116
LEWIS	16DP887	VT2P,B	116
LEWIS	R1414VT2P	VT2P,B	114
LG SEEDS	LG5643VT2RIB	VT2P,B	113
LG SEEDS	LG5650VT2RIB	VT2P,B	115
LG SEEDS	LG64C30TRE	TRE,B	114
NK BRAND	NK1354-3220-EZR	3220,B	113
NK BRAND	NK1433-3120-EZR	3120,B	114
NK BRAND	NK1573-3330-EZR	3330,B	115
NUTECH	5FB-2213AM	AM,B	113
NUTECH	5FB-6313AM	AM,B	113
NUTECH	74J1AML	OL,B	114
NUTECH	75D2AM	AM,B	115
NUTECH	75G1AM	AM,B	115
PIONEER	P1366AM CK	AM,B	113
RENK	9-115SSTX	STX	115
RENK	RK937VT2P	VT2P,B	113

Company/Brand	Brand/Product	Technology	RM
RENK	RK945DGVT2P	VT2P,DG,B	115
RENK	RK961VT2P	VT2P,B	116
RENK	RK965VT2P	VT2P,B	116
WYFFELS	W7696RIB	VT2P,B	113
WYFFELS	W7878	STX	114
WYFFELS	W8646RIB	VT2P,B	116

Footnotes and Abbreviations Descriptions

Brand Footnotes

[^] Innotech™ brand seed is distributed by Rob-See-Co, LLC. Power Plus® brand seed is distributed by Burrus. Innotech™ is a trademark 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*

3010	Agrisure® 3010 (CB,LL,GT)	AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
3011,A	Agrisure® Artesian® (CB,RW,LL,GT)	AQ	Optimum® AQUAMax®	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	B	Refuge blend product	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)	CB	Agrisure® Corn Borer	PC	PowerCore™ (HX, VT2P)
3120	Agrisure® 3120 (CB,HX,LL,GT)	DG	Genuity® DroughtGard®	RR2	Roundup Ready® 2 Corn
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)	RW	Agrisure® Rootworm
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	GT	Agrisure® GT	STX	SmartStax® (VT3P,HXT,RR2,LL)
3330	Agrisure® Viptera® 3330 (Vip,CB,HX,LL,GT)	HX	Herculex® 1, contains LL	TRE	Genuity® Trecepta™
A	Agrisure® Artesian®	HXRW	Herculex® Rootworm, contains LL	VT2P	Genuity® VT Double PRO®
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	HXT	Herculex® Xtra (HX,HXRW,LL)	VT3P	Genuity® VT Triple PRO®
AMT	Optimum® AcreMax® TRIsect (HX,RW,LL,RR2)	LL	LibertyLink®	YGCB	YieldGard® Corn Borer
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	None	conventional corn		

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