

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

2019 Corn Grain Top 30 Harvest Report

Missouri North [MONO] TRENTON, MO

Eric Hoffman, Grundy County, MO 64683

Early-Season Test	107 - 112 Day CRM B2019MONO02a
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Trivence, Abundit Edge
SOIL DESCRIPTION:	Nodaway silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	No-Till,
PEST MANAGEMENT:	Gramoxone, Cinch Atz, Mustang Max
FERTILITY - Applied N:	60 Spring, 120 Sidedress
Applied N-P-K (units):	180-0-0
SEEDING - RATE - ROW:	Apr 20 30.4 /A 30" spacing
HARVESTED - STAND:	Nov 18 29.2 /A

TEST COMMENTS:

Planting went well in April with great soil planting conditions. Recurring rainfall continued following planting with record setting rainfall and saturated soils for weeks on end. By late May this site went underwater for several days. Surrounding field and trial was taken to yield. Data was rejected due to yield variability and water damage.

Company/Brand	Product/Brand	Seeds / Acre	Yield Bu/A	Moisture %	lodging %	Stand in 2000 #/Acre	Gross Income \$/Acre	Rank	
PIONEER	P1738H DC	AWB	111	218.2	16.3	1	30.0	756	1
GOLDEN HARVEST	DTL 16 200A EZR	330LAB	110	209.8	16.0	2	30.3	738	2
LENS	10P716	VT08	112	202.1	16.0	1	30.0	701	3
LENS	10P716	VT08	108	198.5	16.2	1	29.0	680	4
LG SEEDS	LSMOUNTAIN	VT08	112	192.4	16.0	1	30.7	667	5
LENS	10P716	VT08	110	191.0	16.2	1	29.7	660	6
FEDERAL	88V10P88	VT08	111	189.0	16.0	1	29.7	652	7
DEKALB	DKC62 6088 DC	VT08	112	187.9	16.0	1	29.7	652	8
CHAMPION	88V10P88	VT08	112	187.4	16.0	1	29.7	647	9
FE BRUNSON	FE 88V1 62R	VT08	111	186.1	16.0	1	29.7	646	10
NUTECH	788Q	GRB	110	185.2	16.1	1	29.3	632	11
CHAMPION	88V10 P88	VT08	110	184.9	16.0	1	29.0	621	12
DYNA-GRD	DEVELOP	VT08	111	179.0	16.1	1	30.0	621	13
DYNA-GRD	DEVELOP	VT08	110	179.0	16.4	1	29.3	617	14
GOLDEN HARVEST	DTL17 816	310	110	178.5	16.0	1	30.0	603	15
DYNA-GRD	DEVELOP	VT08	111	176.1	16.0	2	30.0	603	17
NUTECH	SPR 1774M	AWB	108	174.1	16.0	1	30.0	600	18
LENS	10P716	VT08	108	174.0	16.0	1	30.0	598	19
FE BRUNSON	FE 88V1 62R	VT08	111	173.7	16.2	1	30.7	600	16
CHAMPION	88V10 P88	VT08	111	171.0	16.0	1	29.3	594	20
GREEN VALLEY	GV1000	VT08	111	169.7	16.7	1	30.0	587	21
GREEN VALLEY	GV1000	VT08	112	169.4	16.0	1	30.3	584	22
NE BRAND	NE 1000	310A	112	169.2	17.0	1	29.7	578	23
LG SEEDS	LSMOUNT	VT08	112	168.5	16.7	1	29.3	573	24
NE BRAND	NE 1000 310A	310LAB	108	167.8	16.2	0	29.7	560	26
NUTECH	SPR 8888M	AWB	108	166.8	16.0	1	30.7	558	27
PIONEER	P1738H DC	AW	111	166.8	16.1	1	29.3	550	28
NEWM	NE 1000 310A	310A	112	167.4	16.0	1	29.7	541	29
NUTECH	788Q	GRB	110	167.0	16.0	1	30.7	541	30
CHAMPION	88V10P88	VT08	108	161.4	16.7	1	27.0	521	31
CHAMPION	P1738H DC	AWB	112	161.0	16.0	1	27.0	510	32

REJECTED

William Schelp

William Schelp
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Averages = **164.2** **16.3** **2** **29.2** **570**
LSD (0.10) = 37.9 0.6 ns
LSD (0.25) = 19.9 0.3 ns
C.V. = 21.9

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

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Missouri North [MONO] TRENTON, MO

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Full-Season Test	113 - 116 Day CRM B2019MONO02b
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Trivence, Abundit Edge
SOIL DESCRIPTION:	Nodaway silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	No-Till,
PEST MANAGEMENT:	Gramoxone, Cinch Atz, Mustang Max
FERTILITY - Applied N:	60 Spring, 120 Sidedress
Applied N-P-K (units):	180-0-0
SEDED - RATE - ROW:	Apr 20 30.4 /A 30" spacing
HARVESTED - STAND:	Nov 18 28.2 /A

TEST COMMENTS:

Planting went well in April with great soil planting conditions. Recurring rainfall continued following planting with record setting rainfall and saturated soils for weeks on end. By late May this site went underwater for several days. Surrounding field and trial was taken to yield. Data was rejected due to yield variability and water damage.

Company/Brand	Product/Brand	Seeds / Acre	Yield Bu/A	Moisture %	lodging %	Stand in 2000 #/Acre	Gross Income \$/Acre	Rank	
FS HANSON	FS 840V1 RB	VT0B	110	188.8	17.8	1	28.7	647	1
WHIFFLE	W179	STX	114	184.3	16.7	1	28.3	772	2
WHIFFLE	W180AB	VT0B	113	219.8	16.8	1	28.0	757	3
LENS	1000AB	VT0PDLB	114	219.1	16.8	1	28.3	752	4
GREEN VALLEY	GV40V1TOPHAB	VT0B	114	211.2	16.3	1	28.2	712	6
LENS	100PAB	VT0B	110	192.3	17.8	1	28.0	712	7
NUTECH	N119AB	DLB	110	191.8	16.8	1	28.1	710	8
LENS	100PAB	VT0B	114	184.4	17.8	1	28.0	708	9
CHAMPION	84A13 V12 PRO 11	VT0B	110	184.3	16.8	1	28.3	703	9
LG SEEDS	LG40V1PHE	VT0B	110	189.2	17.2	1	28.3	702	10
FEDERAL	84A13	VT0B	114	187.1	17.1	1	28.0	699	11
GOLDEN HARVEST	871L32 800-42N	DLB	110	187.7	17.1	2	28.7	694	12
NR BRAND	NR119A 800-42N	DLB	110	186.1	17.0	1	28.0	688	13
LG SEEDS	LG40V1PHE	VT0B	110	187.1	17.1	1	28.7	684	15
LENS	100PAB	VT0B	110	187.3	16.1	1	27.0	676	16
NR	NR40V1TOP	VT0B	110	186.1	16.8	1	27.7	674	17
FS HANSON	FS 842V1 RB	VT0B	114	186.1	17.8	1	28.3	668	18
CHAMPION	84A13 V12 PRO 11	VT0B	110	184.3	16.8	1	28.0	668	18
FEDERAL	84A13TOPHAB	VT0B	110	184.2	17.8	1	28.3	660	21
NR	NR40V1TOP	VT0B	110	180.7	17.8	1	28.7	661	20
LG SEEDS	LG40V1PHE	VT0B	110	181.2	17.4	1	28.3	653	22
LENS	100PAB	VT0B	114	188.8	16.7	1	28.7	653	23
NR	NR40V1TOP	VT0B	110	187.7	16.8	1	28.3	648	24
NUTECH	N119	ABLB	110	186.8	17.8	1	28.0	638	26
NR BRAND	NR119A 800-42N	DLB	110	186.8	16.7	1	28.3	641	25
NUTECH	87B-4010AB	ABLB	110	186.3	17.0	1	28.3	638	27
NR	8-110007A	STX	110	186.1	16.7	1	28.0	640	28
FS HANSON	FS 840V1 RB	VT0B	114	182.3	16.8	1	28.0	638	29
FS HANSON	FS 840A1 RB	STLB	114	174.8	16.8	1	28.3	599	30
NR	NR40V1TOP	VT0PDLB	110	174.3	17.1	1	28.3	597	31
AVG			110	187.1	16.7	1	28.3	651	14

REJECTED

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Averages = **188.9** **17.2** **1** **28.2** **647**
 LSD (0.10) = ns 0.5 ns
 LSD (0.25) = ns 0.2 ns
 C.V. = 17.7

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

Report Date: 12/09/2019

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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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	RK945DGV2P	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®TRIssect (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.