

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

2020 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 B2020MONO01a
Top 30 of 44	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybean / Authority Elite, Zidua, Roundup
SOIL DESCRIPTION:	Haynie silt loam, moderately drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, medium P, very high K, 7.6 pH, 1.9% OM, 13.7 CEC
PEST MANAGEMENT:	Fultime Nxt, Armezon, Atrazine 4l
FERTILITY - Applied N:	200 Spring
Applied N-P-K (units):	200-40-60
SEEDED - RATE - ROW:	Apr 30 32.4 /A 30" spacing
HARVESTED - STAND:	Sep 19 32.4 /A

TEST COMMENTS:

The site was planted timely. Even emergence followed with good moisture and growing conditions throughout the summer. Trent, Jeff's son, mentioned timely rains most of the year. "Except for the last half of July, we had 14 inches, which was pretty concentrated. Then only 1.4 inches in August making it almost too dry." Southern rust and mostly grey leaf spot were observed in August. By harvest, there was no lodging, and a great looking trial was evident. Excellent grain fill to the tip of the ear. Phenomenal looking yield trial.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NUTECH	70A8AM	AM,B	110	262.1	20.0	1	32.7	871	1
MIDLAND GENETICS	XP110-1PR	VT2P,B	110	258.1	20.1	1	32.7	858	2
GREEN VALLEY	8102	VT2P,B	111	257.9	20.8	1	32.7	850	3
HOEGEMEYER	8268Q GC	QR,B	112	257.2	20.9	1	32.2	847	5
LEWIS	12DT371	TRE,B	112	255.0	21.7	1	32.7	832	8
RENK	RK842VT2P	VT2P,B	112	254.6	21.9	1	32.2	829	9
RENK	RK882SSTX	STX	111	254.0	22.7	1	32.2	821	14
RENK	RK866DGV2P	VT2PDG	112	253.7	20.5	1	32.7	839	6
NUTECH	68A7AM	AM,B	107	252.3	18.9	1	32.2	849	4
MIDLAND GENETICS	570PR RIB	VT2P,B	112	251.5	22.2	1	32.2	817	17
NK BRAND	NK1082-3330A-EZR	3330A,B	110	250.5	20.0	1	32.2	833	7
LEWIS	10DP719	VT2P,B	110	248.9	20.1	1	32.7	827	10
GOLDEN HARVEST	G10L16-5222A-EZR	5222A,B	110	248.8	21.0	1	32.2	818	16
AUGUSTA	1259	3330,B	109	247.8	22.2	1	32.2	805	23
MIDLAND GENETICS	381VLGA EZ1	3220A,B	108	247.6	20.5	1	32.2	819	15
LEWIS	08DP739	VT2P,B	108	247.6	20.2	2	32.7	822	13
FS INVISION	FS 6107T RIB	TRE,B	111	247.2	19.4	1	32.2	827	11
LEWIS	09DD740	VT2PDG,B	109	246.6	19.6	1	33.2	824	12
DEKALB	DKC62-53RIB GC	VT2P,B	112	246.0	21.0	1	32.2	809	20
PIONEER	P1077AM GC	AM,AQ,B	110	245.8	20.4	1	32.7	814	18
GREEN VALLEY	8282	VT2P,B	112	245.7	22.0	1	32.7	800	25
BURRUS	POWER PLUS 6Z43AM	AM,B	112	245.3	21.2	1	32.2	805	24
HOEGEMEYER	8233AM GC	AM,AQ,B	112	244.6	20.5	1	32.7	809	21
MIDLAND GENETICS	430PR RIB	VT2P,B	110	244.3	20.5	1	33.2	808	22
FS INVISION	FS 62ZV1 RIB	VT2P,B	112	243.4	22.0	1	33.2	792	30
BURRUS	POWER PLUS 4F71AM	AM,B	109	242.3	18.9	1	32.2	814	19
BURRUS	6G34 VT2P	VT2P,B	112	242.2	20.6	1	32.2	800	26
NK BRAND	NK1205-3120-EZR	3120,B	112	242.2	20.9	1	32.7	797	27
PIONEER	P1197AM GC	AM,B	111	238.1	19.8	1	31.7	793	29
NUTECH	5FB-8808AM	AM,B	108	236.0	18.5	2	32.2	797	28
PIONEER	P1138AM CK	AM	111	233.5	19.4	1	33.2	781	35
				Averages =	243.6	20.5	1	32.4	806
				LSD (0.10) =	8.4	1.0	ns		
				LSD (0.25) =	4.4	0.5	ns		
				C.V. =	3.8			Historic yield: 189.3 bu/a, 2 yr(s)	

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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: 09/19/2020

† 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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2020 Corn - Missouri North [MONO]

Early-Season Test Products (44 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
AUGUSTA	1259	3330,B	109	AVC,C5
BURRUS	6G34 VT2P	VT2P,B	112	BPS
BURRUS	POWER PLUS 4F71AM	AM,B	109	BPS
BURRUS	POWER PLUS 6Z43AM	AM,B	112	BPS
DEKALB	DKC62-53RIB GC	VT2P,B	112	NA
DURACROP	3135	VT2P	112	CM,C2,Vi
FS INVISION	FS 5704V RIB	VT2P,B	107	AC,P5V
FS INVISION	FS 5892V RIB	VT2P,B	108	AC,P5V
FS INVISION	FS 6107T RIB	TRE,B	111	AC,P5V
FS INVISION	FS 6194V RIB	VT2P,B	111	AC,P5V
FS INVISION	FS 62ZV1 RIB	VT2P,B	112	AC,P2
GOLDEN HARVEST	G10L16-5222A-EZR	5222A,B	110	AVC,C5,Vi
GOLDEN HARVEST	G12S75-5122-EZR	5122,B	112	AVC,C5,Vi
GOLDEN HARVEST	G12U17-3120-EZR	3120,B	112	AVC,C5,Vi
GREEN VALLEY	8102	VT2P,B	111	AC250
GREEN VALLEY	8282	VT2P,B	112	AC250
HOEGEMEYER	7955AML GC	AML,B	109	Lum,P5V
HOEGEMEYER	8233AM GC	AM,AQ,B	112	Lum,P1V
HOEGEMEYER	8268Q GC	QR,B	112	Lum,P1V
LEWIS	07DT081	TRE,B	107	NA
LEWIS	08DP739	VT2P,B	108	NA
LEWIS	09DD740	VT2PDG,B	109	NA
LEWIS	10DP719	VT2P,B	110	NA
LEWIS	12DT371	TRE,B	112	NA
MIDLAND GENETICS	381VLGA EZ1	3220A,B	108	CM,C2,Vi
MIDLAND GENETICS	429PR RIB	VT2P,B	110	AC
MIDLAND GENETICS	430PR RIB	VT2P,B	110	AC
MIDLAND GENETICS	570PR RIB	VT2P,B	112	AC
MIDLAND GENETICS	XP110-1PR	VT2P,B	110	AC
NK BRAND	NK0821-3120A-EZR	3120A,B	108	AVC,C5,Vi
NK BRAND	NK1082-3330A-EZR	3330A,B	110	AVC,C5,Vi
NK BRAND	NK1205-3120-EZR	3120,B	112	AVC,C5,Vi
NUTECH	5FB-8808AM	AM,B	108	P1V,RN
NUTECH	68A7AM	AM,B	107	P1V,RN
NUTECH	68B3VYHR	OL,B	108	P1V,RN
NUTECH	70A8AM	AM,B	110	P1V,RN

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
NUTECH	72B7CYFR	QR	112	P1V,RN
PIONEER	P0977AM GC	AM,B	109	NA
PIONEER	P1077AM GC	AM,AQ,B	110	NA
PIONEER	P1138AM CK	AM	111	NA
PIONEER	P1197AM GC	AM,B	111	NA
RENK	RK842VT2P	VT2P,B	112	AC,P2
RENK	RK866DGVT2P	VT2PDG	112	AC,P2
RENK	RK882SSTX	STX	111	AC,P5V

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*

3000GT	Agrisure® 3000GT
3120	Agrisure® 3120 (CB,HX,LL,GT)
3120A	Agrisure® Artesian® 3120 (CB,HX,LL,GT)
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)
3220A	Agrisure® Artesian® Viptera® 3220 (Vip,CB,HX,LL,GT)
3330	Agrisure® Viptera® 3330 (Vip,CB,LL,GT)
3330A	Agrisure® Artesian® Viptera® 3330 (Vip,CB,LL,GT)
5122	Agrisure® Duracade™ 5122
5222	Agrisure® Duracade™ 5222
5222A	Agrisure® Duracade™ Artesian® 5222
AM	Optimum® AcreMax®
AML	Optimum® AcreMax® Leptra® (Vip,YGCB,HX,LL,RR2)
AQ	Optimum® AQUAmax®
B	Blend, Refuge in a Bag (RIB) or EZ-Refuge
CONV	Conventional
E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)
OL	Optimum® Leptra®
PC	PowerCore™
QR	Qrome™
STX	SmartStax®
TRE	Genuity® Trecepta™
VT2P	Genuity® VT Double PRO®
VT2PDG	Genuity® VT Double PRO® DroughtGard®

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

Corn Seed Treatments**

NA	Not Available
AC	Acceleron®, unspecified
AC,P2	Acceleron, Poncho 250
AC,P5	Acceleron, Poncho 500
AC,P5V	Acceleron, Poncho 500/Votivo
AC,P5V,EDC-B	Acceleron, Basic Poncho 500/Votivo with Enhanced Disease Control
AC250	Acceleron 250
AVC,C5	Avicta Complete 500
AVC,C5,Vi	Avicta Complete 500, Vibrance
BPS	Burrus PowerShield
CM,C2,Vi	CruiserMaxx 250 with Vibrance
Lum,P1V	Lumigen Poncho 1250/Votivo
Lum,P5V	Lumigen Poncho 500/Votivo
P1V,RN	Poncho 1250/Votivo, Rancona®

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