

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

2020 Corn Grain Top 30 Harvest Report

Missouri North [MONO] PALMYRA, MO

Shawn Kiefaber, Marion County, MO 63461

Early-Season Test	107 - 112 Day CRM B2020MONO05a
Top 30 of 44	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Corn, 2+ Yr / Fallow 2019 Due To Mississippi River Flooding.
SOIL DESCRIPTION:	Bellnap-Fatima silt loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, high K, 6.1 pH, 2.3% OM, 14.1 CEC
PEST MANAGEMENT:	Halex Gt, Tombstone, Force 3g, Trivapro
FERTILITY - Applied N:	250 Spring
Applied N-P-K (units):	250-100-120
SEEDED - RATE - ROW:	Jun 1 32.4 /A 30" spacing
HARVESTED - STAND:	Oct 16 29.7 /A

TEST COMMENTS:

Floodwaters prevented planting a summer crop in 2019 so a cover mix was established last fall. This no-till test was planted as soil conditions allowed. Sulfur was applied, and foliar phosphate was applied. At harvest, stalk quality was diminishing quickly. Isolated pockets of very lodged corn were carefully harvested. Overall, another good trial from this river-bottom site albeit with below average yields this year.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
HOEGEMEYER	8268Q GC	QR,B	112	254.2	20.0	4	29.0	846	1
LEWIS	10DP719	VT2P,B	110	247.2	18.6	5	29.0	834	2
PIONEER	P1197AM GC	AM,B	111	245.1	19.9	2	30.2	816	4
PIONEER	P0977AM GC	AM,B	109	244.2	19.0	4	29.6	821	3
LEWIS	12DT371	TRE,B	112	243.6	20.6	1	31.9	805	5
NUTECH	72B7CYFR	QR	112	237.2	20.2	4	27.8	787	7
AUGUSTA	1259	3330,B	109	235.1	19.2	13	30.3	789	6
BURRUS	POWER PLUS 6Z43AM	AM,B	112	234.0	20.6	4	28.1	773	10
GOLDEN HARVEST	G12S75-5122-EZR	5122,B	112	230.7	20.0	2	29.4	767	13
FS INVISION	FS 6194V RIB	VT2P,B	111	229.3	17.7	7	30.8	781	8
MIDLAND GENETICS	XP110-1PR	VT2P,B	110	229.2	18.8	6	29.3	772	11
FS INVISION	FS 5892V RIB	VT2P,B	108	227.6	17.8	14	30.0	774	9
GREEN VALLEY	8102	VT2P,B	111	227.1	17.9	6	29.0	772	12
MIDLAND GENETICS	381VLGA EZ1	3220A,B	108	224.5	19.8	7	31.0	748	15
BURRUS	POWER PLUS 4F71AM	AM,B	109	224.2	20.1	3	28.6	745	16
GOLDEN HARVEST	G10L16-5222A-EZR	5222A,B	110	223.8	20.2	9	29.6	743	17
MIDLAND GENETICS	570PR RIB	VT2P,B	112	223.5	20.5	5	29.7	739	20
HOEGEMEYER	8233AM GC	AM,AQ,B	112	222.8	20.6	22	28.9	736	23
LEWIS	09DD740	VT2PDG,B	109	222.6	17.3	6	30.2	762	14
RENK	RK882SSTX	STX	111	221.5	19.9	2	31.0	737	22
NK BRAND	NK1082-3330A-EZR	3330A,B	110	221.0	19.2	7	30.0	741	18
DEKALB	DKC62-53RIB GC	VT2P,B	112	219.5	18.9	3	28.8	738	21
NUTECH	70A8AM	AM,B	110	219.3	18.5	15	29.5	741	19
NK BRAND	NK1205-3120-EZR	3120,B	112	216.1	20.2	21	29.9	717	28
HOEGEMEYER	7955AML GC	AML,B	109	215.7	17.7	14	29.7	735	24
NUTECH	68B3VYHR	OL,B	108	213.6	19.6	13	29.9	713	30
BURRUS	6G34 VT2P	VT2P,B	112	213.2	17.9	3	29.6	725	25
MIDLAND GENETICS	430PR RIB	VT2P,B	110	213.1	18.1	3	28.1	723	26
NK BRAND	NK0821-3120A-EZR	3120A,B	108	212.9	18.3	14	31.0	721	27
GREEN VALLEY	8282	VT2P,B	112	209.8	17.7	14	30.9	715	29
PIONEER	P1138AM CK	AM	111	203.5	18.9	20	30.1	685	40
				Averages =	219.3	18.9	10	29.7	738
				LSD (0.10) =	14.9	1.2	ns		
				LSD (0.25) =	7.8	0.6	ns		
				C.V. =	7.5				
				Historic yield: 208.3 bu/a, 8 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: 10/26/2020

† 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
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
AC250	Acceleron 250
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
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.