

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

2020 Corn Grain Top 30 Harvest Report

Missouri Central [MOCE] NEW FRANKLIN, MO
Randy & Danny Kircher, Howard County, MO 65274

Early-Season Test	107 - 112 Day CRM B2020MOCE06a
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	None / Fallow Due To River Flooding
SOIL DESCRIPTION:	Lomo silt loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, very high P, very high K, 6.5 pH, 1.3% OM, 13.8 CEC
PEST MANAGEMENT:	Degree Xtra, Atrazine, Glyphosate, Force 3g
FERTILITY - Applied N:	200 Spring
Applied N-P-K (units):	200-70-50
SEEDED - RATE - ROW:	May 1 30.4 /A 30" spacing
HARVESTED - STAND:	Sep 21 30.2 /A

TEST COMMENTS:

After flooding in 2019, 2020 brought a new year and a better outcome. A wet May was followed by a dry early July, then timely rains mid- and late July followed. At harvest, stalk strength was excellent. There was no lodging to speak of. The ears I checked had 18 kernel rows. This was a good river bottom trial in Central Missouri.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
MIDLAND GENETICS	570PR RIB	VT2P,B	112	271.2	21.3	1	31.5	890	1
PIONEER	P1077AM GC	AM,AQ,B	110	264.7	20.7	1	30.2	873	2
NUTECH	72B7CYFR	QR	112	260.2	21.6	1	30.2	851	4
PIONEER	P1197AM GC	AM,B	111	259.8	20.7	1	28.8	857	3
MIDLAND GENETICS	XP110-1PR	VT2P,B	110	258.4	21.9	1	30.2	842	8
DEKALB	DKC62-53RIB GC	VT2P,B	112	257.2	21.1	1	28.8	845	7
DYNA-GRO	D52DC82	VT2PDG	112	254.6	21.1	1	30.2	836	9
NUTECH	68B3VYHR	OL,B	108	254.2	20.0	1	30.9	846	6
MIDLAND GENETICS	381VLGA EZ1	3220A,B	108	253.9	19.7	1	30.9	847	5
FS INVISION	FS 6107T RIB	TRE,B	111	252.3	20.3	1	30.9	836	10
FS INVISION	FS 62ZV1 RIB	VT2P,B	112	251.5	22.1	1	30.9	817	16
NK BRAND	NK1082-3330A-EZR	3330A,B	110	250.2	20.6	1	30.9	826	12
GOLDEN HARVEST	G10L16-5222A-EZR	5222A,B	110	249.9	21.3	1	30.2	820	14
NUTECH	68A7AM	AM,B	107	249.0	20.0	1	30.9	828	11
BURRUS	POWER PLUS 4F71AM	AM,B	109	248.7	20.1	1	30.9	826	13
AUGUSTA	1259	3330,B	109	247.1	20.3	1	30.2	819	15
MIDLAND GENETICS	430PR RIB	VT2P,B	110	246.6	21.9	1	30.2	804	19
BURRUS	6G34 VT2P	VT2P,B	112	244.9	21.4	1	28.8	802	21
GOLDEN HARVEST	G12S75-5122-EZR	5122,B	112	244.6	22.7	1	30.2	790	23
LEWIS	09DD740	VT2PDG,B	109	244.3	20.2	1	29.5	811	17
FS INVISION	FS 60UV1 RIB	VT2P,B	110	243.3	19.9	1	30.2	810	18
FS INVISION	FS 6194V RIB	VT2P,B	111	243.3	20.6	1	32.2	804	20
MIDLAND GENETICS	429PR RIB	VT2P,B	110	243.1	22.3	1	29.5	789	24
NUTECH	70A8AM	AM,B	110	241.3	21.6	1	30.9	789	25
GREAT HEART	HT-7256DGVT2P	VT2PDG,B	112	240.3	22.2	1	30.2	780	26
LEWIS	10DP719	VT2P,B	110	239.8	22.2	1	30.2	779	27
BURRUS	POWER PLUS 6Z43AM	AM,B	112	234.4	21.4	1	29.5	768	31
NK BRAND	NK1205-3120-EZR	3120,B	112	234.3	20.7	1	30.2	773	29
DEKALB	DKC60-88RIB GC	VT2P,B	110	233.6	20.7	1	28.8	771	30
LEWIS	07DP700	VT2P,B	107	232.3	19.8	1	30.2	774	28
PIONEER	P1380AM CK	AM	113	242.8	21.4	1	30.9	795	22

William Schelp

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william.schelp@firstseedtests.com, (573) 819-7968

Averages = **245.3** **21.0** **1** **30.2** **807**

LSD (0.10) = 15.7 0.7 ns

LSD (0.25) = 8.2 0.3 ns

C.V. = 6.1

Historic yield: 201.8 bu/a, 1 yr(s)

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 Central [MOCE] NEW FRANKLIN, MO
Randy & Danny Kircher, Howard County, MO 65274

Full-Season Test	113 - 117 Day CRM B2020MOCE06b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
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SOIL DESCRIPTION:	Lomo silt loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, very high P, very high K, 6.5 pH, 1.3% OM, 13.8 CEC
PEST MANAGEMENT:	Degree Xtra, Atrazine, Glyphosate, Force 3g
FERTILITY - Applied N:	200 Spring
Applied N-P-K (units):	200-70-50
SEEDED - RATE - ROW:	May 1 30.4 /A 30" spacing
HARVESTED - STAND:	Sep 21 30.1 /A

TEST COMMENTS:

After flooding in 2019, 2020 brought a new year and a better outcome. A wet May was followed by a dry early July, then timely rains mid- and late July followed. At harvest, stalk strength was excellent. There was no lodging to speak of. The ears I checked had 18 kernel rows. This was a good river bottom trial in Central Missouri.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NUTECH	78A1AM	AM,B	117	274.8	22.3	1	29.5	891	1
LEWIS	16DP850	VT2P,B	116	270.9	24.6	1	30.2	857	2
MIDLAND GENETICS	801PR RIB	VT2P,B	117	266.2	23.1	1	30.9	856	4
LEWIS	15DP899	VT2P,B	115	263.5	25.2	1	29.5	828	11
LEWIS	14DD849	VT2PDG,B	114	263.4	23.0	1	28.8	848	5
NUTECH	74B6AM	AM,B	114	263.0	21.9	1	30.2	857	3
DYNA-GRO	D54VC34	VT2P	114	261.5	22.4	1	31.5	847	6
NK BRAND	NK1239-5122-EZR	5122,B	112	259.0	21.7	1	30.2	846	7
FS INVISION	FS 6306T RIB	TRE,B	113	258.3	21.6	1	30.2	844	8
NUTECH	75G1AM	AM,B	115	257.5	24.1	1	30.9	820	13
MIDLAND GENETICS	770PR DG RIB	VT2PDG,B	115	254.5	21.7	1	30.9	831	10
LEWIS	15DT890	CONV	115	251.6	23.3	1	31.5	808	17
BURRUS	8A12 VT2P	VT2P,B	116	251.6	23.5	1	30.2	806	18
AGRIGOLD	A6572VT2RIB GC	VT2P,B	114	251.3	22.8	1	30.9	811	16
NUTECH	E74D3AM	AM,B	114	251.1	21.6	3	30.2	821	12
MIDLAND GENETICS	660PR DG RIB	VT2PDG,B	113	251.0	21.7	1	29.5	820	14
NK BRAND	NK1523-3220-EZR	3220,B	115	251.0	24.0	1	30.2	800	20
<i>FS INVISION</i>	<i>FS 6595V RIB</i>	<i>VT2P,B</i>	<i>115</i>	<i>248.7</i>	<i>25.7</i>	<i>1</i>	<i>30.2</i>	<i>777</i>	<i>25</i>
GOLDEN HARVEST	G14N11-5222-EZR	5222,B	114	248.1	21.4	1	30.2	812	15
GREAT HEART	HT-7302VT2P	VT2P,B	113	246.3	21.5	1	29.5	806	19
<i>PIONEER</i>	<i>P1870AM GC</i>	<i>AM,B</i>	<i>118</i>	<i>245.5</i>	<i>25.7</i>	<i>1</i>	<i>31.5</i>	<i>767</i>	<i>30</i>
FS INVISION	FS 6606T RIB	TRE,B	116	244.8	23.6	1	29.5	783	21
GOLDEN HARVEST	G15J91-3220-EZR	3220,B	115	243.6	24.2	1	28.8	774	28
DEKALB	DKC65-95RIB GC	VT2P,B	115	242.9	23.3	1	30.2	780	23
FS INVISION	FS 67SV1 RIB	VT2P,B	117	242.4	23.6	1	28.8	776	26
DEKALB	DKC64-35RIB GC	VT2P,B	114	240.4	22.4	1	30.2	779	24
MIDLAND GENETICS	790SS RIB	STX,B	116	238.8	21.3	1	30.9	783	22
FS INVISION	FS 6395VDG RIB	VT2PDG,B	113	237.7	22.0	1	28.8	774	29
LEWIS	16DP887	VT2P,B	116	237.0	23.5	1	30.2	759	31
NUTECH	5FB-2213AM	AM,B	113	236.7	21.4	1	30.2	776	27
PIONEER	P1380AM CK	AM	113	257.6	21.6	1	31.5	842	9
				Averages =	248.3	22.8	1	30.1	801
				LSD (0.10) =	18.9	0.9	1		
				LSD (0.25) =	9.9	0.5	0		
				C.V. =	7.2				
william.schelp@firstseedtests.com, (573) 819-7968				Historic yield: 201.8 bu/a, 1 yr(s)					

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

Report Date: 09/24/2020

† 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 Central [MOCE]

Early-Season Test Products (36 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	DKC60-88RIB GC	VT2P,B	110	NA
DEKALB	DKC62-53RIB GC	VT2P,B	112	NA
DYNA-GRO	D52DC82	VT2PDG	112	AC,P5V,EDC-B
FS INVISION	FS 60UV1 RIB	VT2P,B	110	AC,P2
FS INVISION	FS 6106X RIB	STX,B	111	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
GREAT HEART	HT-7256DGVT2P	VT2PDG,B	112	NA
LEWIS	07DP700	VT2P,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	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
NUTECH	72B7CYFR	QR	112	P1V,RN
PIONEER	P0977AM GC	AM,B	109	NA
PIONEER	P1077AM GC	AM,AQ,B	110	NA
PIONEER	P1197AM GC	AM,B	111	NA
PIONEER	P1380AM CK	AM	113	NA

2020 Corn - Missouri Central [MOCE]

Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
AGRIGOLD	A646-12VT2RIB GC	VT2P,B	116	NA
AGRIGOLD	A6572VT2RIB GC	VT2P,B	114	NA
AGRIGOLD	A6579VT2RIB GC	VT2P,B	114	NA
BURRUS	8A12 VT2P	VT2P,B	116	BPS
DEKALB	DKC64-35RIB GC	VT2P,B	114	NA
DEKALB	DKC65-95RIB GC	VT2P,B	115	NA
DYNA-GRO	D53VC33	VT2P	113	AC,P5V,EDC-B
DYNA-GRO	D54VC34	VT2P	114	AC,P5V,EDC-B
FS INVISION	FS 6306T RIB	TRE,B	113	AC,P5V
FS INVISION	FS 6395VDG RIB	VT2PDG,B	113	AC,P5V
FS INVISION	FS 6595V RIB	VT2P,B	115	AC,P5V
FS INVISION	FS 6606T RIB	TRE,B	116	AC,P5V
FS INVISION	FS 67SV1 RIB	VT2P,B	117	AC,P2
GOLDEN HARVEST	G14N11-5222-EZR	5222,B	114	AVC,C5,Vi
GOLDEN HARVEST	G15J91-3220-EZR	3220,B	115	AVC,C5,Vi
GREAT HEART	HT-7302VT2P	VT2P,B	113	NA
LEWIS	14DD849	VT2PDG,B	114	NA
LEWIS	15DP899	VT2P,B	115	NA
LEWIS	15DT890	CONV	115	NA
LEWIS	16DP850	VT2P,B	116	NA
LEWIS	16DP887	VT2P,B	116	NA
MIDLAND GENETICS	656PR RIB	VT2P,B	113	AC
MIDLAND GENETICS	660PR DG RIB	VT2PDG,B	113	AC
MIDLAND GENETICS	770PR DG RIB	VT2PDG,B	115	AC
MIDLAND GENETICS	790SS RIB	STX,B	116	AC
MIDLAND GENETICS	801PR RIB	VT2P,B	117	AC
NK BRAND	NK1239-5122-EZR	5122,B	112	AVC,C5,Vi
NK BRAND	NK1523-3220-EZR	3220,B	115	AVC,C5,Vi
NUTECH	5FB-2213AM	AM,B	113	P1V,RN
NUTECH	74B6AM	AM,B	114	P1V,RN
NUTECH	75G1AM	AM,B	115	P1V,RN
NUTECH	78A1AM	AM,B	117	P1V,RN
NUTECH	E74D3AM	AM,B	114	P1V,RN
PIONEER	P1380AM CK	AM	113	NA
PIONEER	P1464AML GC	AM	114	NA
PIONEER	P1870AM GC	AM,B	118	NA

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*

3120	Agrisure® 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®
AQ	Optimum® AQUAmax®
B	Blend, Refuge in a Bag (RIB) or EZ-Refuge
CONV	Conventional
OL	Optimum® Leptra®
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	Accelaron®, unspecified
AC,P2	Accelaron, Poncho 250
AC,P5V	Accelaron, Poncho 500/Votivo
AC,P5V,EDC-B	Accelaron, Basic Poncho 500/Votivo with Enhanced Disease Control
AVC,C5	Avicta Complete 500
AVC,C5,Vi	Avicta Complete 500, Vibrance
BPS	Burros PowerShield
CM,C2,Vi	CruiserMaxx 250 with Vibrance
P1V,RN	Poncho 1250/Votivo, Rancona®

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