

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

2020 Corn Grain Top 30 Harvest Report

Missouri Central [MOCE] CAIRO, MO

Dale & Kyle Samp, Randolph County, MO

Early-Season Test 107 - 112 Day CRM
B2020MOCE03a

Top 30 of 36 For Gross Income
(Sorted by Yield)
Average of (4) Replications

PREV. CROP/HERB: Soybean / Prefix, Roundup
Powermax

SOIL DESCRIPTION: Mexico silt loam, mod. poorly
drained, non-irrigated

SOIL CONDITION: Minimum W/O Fall Till, medium
P, medium K, 6.3 pH, 1.9% OM,
13.0 CEC

PEST MANAGEMENT: Autumn Super 51, Distinct,
Bicep II Magnum, Mustang Max,
Callisto, Atrazine, Rup
Powermax

FERTILITY - Applied N: 89 Spring, 120 Sidedress, Zinc
and Sulfur

Applied N-P-K (units): 209-46-75

SEEDED - RATE - ROW: Apr 20 30.4 /A 30" spacing

HARVESTED - STAND: Sep 22 30.4 /A

TEST COMMENTS:

Soil conditions were good at planting. Emergence was slow, taking almost three weeks. Stands were mostly good and even. Adequate rainfall early turned off mid-way through June. Significant stress was observed at mid-summer. It was hot, and it was dry. On July 15th, a 3.5" rainfall event came through. Kyle mentioned it was getting down to the 9th inning, "and really extra innings" he said. The trial finished well.

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	223.4	21.9	1	30.2	728	1
MIDLAND GENETICS	381VLGA EZ1	3220A,B	108	215.0	20.5	1	30.7	711	2
NK BRAND	NK1082-3330A-EZR	3330A,B	110	214.0	20.7	1	30.7	706	3
LEWIS	10DP719	VT2P,B	110	208.7	22.1	1	30.2	679	7
NUTECH	68A7AM	AM,B	107	208.3	20.1	1	30.7	692	4
FS INVISION	FS 62ZV1 RIB	VT2P,B	112	207.5	22.3	1	30.7	673	10
PIONEER	P0977AM GC	AM,B	109	206.8	20.6	1	30.7	683	6
DEKALB	DKC62-53RIB GC	VT2P,B	112	206.8	21.6	1	29.2	676	9
NUTECH	5FB-8808AM	AM,B	108	206.4	20.0	1	30.2	686	5
GREAT HEART	HT-7256DGVT2P	VT2PDG,B	112	206.4	22.4	1	30.7	669	16
NK BRAND	NK1205-3120-EZR	3120,B	112	206.2	20.9	2	30.7	679	8
GOLDEN HARVEST	G10L16-5222A-EZR	5222A,B	110	205.8	22.1	1	30.2	670	15
LEWIS	12DT371	TRE,B	112	205.8	21.7	1	30.2	672	12
AUGUSTA	1259	3330,B	109	205.7	21.5	1	29.7	673	11
MIDLAND GENETICS	429PR RIB	VT2P,B	110	205.6	21.6	1	31.2	672	13
FS INVISION	FS 6194V RIB	VT2P,B	111	204.5	21.3	1	29.7	671	14
DYNA-GRO	D52DC82	VT2PDG	112	203.7	21.2	1	31.2	669	17
BURRUS	6G34 VT2P	VT2P,B	112	203.6	22.0	1	28.7	663	19
FS INVISION	FS 6106X RIB	STX,B	111	203.0	21.9	1	31.2	662	20
MIDLAND GENETICS	430PR RIB	VT2P,B	110	202.7	21.8	1	30.7	661	23
NUTECH	70A8AM	AM,B	110	201.9	20.3	1	29.7	669	18
MIDLAND GENETICS	XP110-1PR	VT2P,B	110	200.7	21.9	1	30.7	654	25
FS INVISION	FS 6107T RIB	TRE,B	111	200.6	20.7	1	30.2	662	21
PIONEER	P1077AM GC	AM,AQ,B	110	199.5	21.2	1	30.2	654	26
LEWIS	09DD740	VT2PDG,B	109	199.4	20.7	1	30.2	658	24
LEWIS	08DP739	VT2P,B	108	199.2	22.2	1	30.2	647	28
BURRUS	POWER PLUS 4F71AM	AM,B	109	198.9	19.9	1	30.7	662	22
DEKALB	DKC60-88RIB GC	VT2P,B	110	198.6	21.4	1	30.2	651	27
PIONEER	P1197AM GC	AM,B	111	194.5	20.5	1	30.7	643	31
NUTECH	68B3VYHR	OL,B	108	194.1	20.1	1	30.2	645	29
PIONEER	P1380AM CK	AM	113	196.5	21.4	1	30.7	644	30

Averages = **202.3** **21.2** **1** **30.4** **664**

LSD (0.10) = 8.2 0.7 ns

LSD (0.25) = 4.3 0.4 ns

C.V. = 4.5

Historic yield: new site

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 Grain Top 30 Harvest Report

Missouri Central [MOCE] CAIRO, MO

Dale & Kyle Samp, Randolph County, MO

Full-Season Test 113 - 117 Day CRM
B2020MOCE03b

Top 30 of 36 For Gross Income
(Sorted by Yield)
Average of (4) Replications

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Powermax

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and Sulfur

Applied N-P-K (units): 209-46-75

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HARVESTED - STAND: Sep 22 30.2 /A

TEST COMMENTS:

Soil conditions were good at planting. Emergence was slow, taking almost three weeks. Stands were mostly good and even. Adequate rainfall early turned off mid-way through June. Significant stress was observed at mid-summer. It was hot, and it was dry. On July 15th, a 3.5" rainfall event came through. Kyle mentioned it was getting down to the 9th inning, "and really extra innings" he said. The trial finished well.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
LEWIS	15DP899	VT2P,B	115	217.9	22.5	1	30.2	705	1
MIDLAND GENETICS	660PR DG RIB	VT2PDG,B	113	215.5	22.2	1	30.2	700	2
DYNA-GRO	D54VC34	VT2P	114	214.7	23.9	1	29.7	684	5
MIDLAND GENETICS	801PR RIB	VT2P,B	117	213.8	22.9	1	30.7	689	4
GREAT HEART	HT-7302VT2P	VT2P,B	113	212.4	23.0	1	30.2	684	6
FS INVISION	FS 6306T RIB	TRE,B	113	212.3	21.4	1	30.2	695	3
MIDLAND GENETICS	790SS RIB	STX,B	116	212.0	24.3	1	30.2	673	8
LEWIS	16DP887	VT2P,B	116	211.0	23.9	1	31.2	673	9
PIONEER	P1464AML GC	AM	114	210.0	22.4	2	29.7	680	7
FS INVISION	FS 6395VDG RIB	VT2PDG,B	113	209.1	23.3	1	30.2	671	11
FS INVISION	FS 6595V RIB	VT2P,B	115	208.3	25.8	1	31.2	650	19
LEWIS	15DT890	CONV	115	207.7	22.6	1	30.7	672	10
DEKALB	DKC65-95RIB GC	VT2P,B	115	206.9	22.8	1	30.7	668	13
LEWIS	16DP850	VT2P,B	116	206.6	23.4	1	30.7	663	14
DYNA-GRO	D53VC33	VT2P	113	206.4	22.2	1	29.7	671	12
NUTECH	78A1AM	AM,B	117	206.3	23.3	1	30.2	662	16
AGRIGOLD	A646-12VT2RIB GC	VT2P,B	116	206.1	23.6	1	30.2	659	18
AGRIGOLD	A6579VT2RIB GC	VT2P,B	114	203.8	22.4	1	30.2	660	17
NUTECH	E74D3AM	AM,B	114	203.1	21.8	1	29.2	663	15
FS INVISION	FS 6606T RIB	TRE,B	116	202.1	26.1	1	30.7	629	27
GOLDEN HARVEST	G14N11-5222-EZR	5222,B	114	201.5	24.6	1	29.7	637	22
FS INVISION	FS 67SV1 RIB	VT2P,B	117	199.6	24.7	1	29.2	631	24
NUTECH	74B6AM	AM,B	114	199.0	21.7	1	29.7	650	20
DEKALB	DKC64-35RIB GC	VT2P,B	114	197.3	22.3	1	30.7	640	21
BURRUS	8A12 VT2P	VT2P,B	116	197.0	25.3	1	30.2	619	30
LEWIS	14DD849	VT2PDG,B	114	196.7	24.4	1	30.7	624	29
AGRIGOLD	A6572VT2RIB GC	VT2P,B	114	194.7	22.6	1	29.2	630	25
PIONEER	P1870AM GC	AM,B	118	193.9	24.1	2	30.2	617	31
NK BRAND	NK1239-5122-EZR	5122,B	112	192.7	21.6	2	30.7	630	26
NUTECH	5FB-2213AM	AM,B	113	191.2	21.3	1	29.7	627	28
PIONEER	P1380AM CK	AM	113	196.4	22.4	1	30.7	637	23

Averages = **202.0** **23.3** **1** **30.2** **648**

LSD (0.10) = 9.0 1.0 ns

LSD (0.25) = 4.7 0.5 ns

C.V. = 4.9

Historic yield: new site

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

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† 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	Acceleron®, unspecified
AC,P2	Acceleron, Poncho 250
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	Burros PowerShield
CM,C2,Vi	CruiserMaxx 250 with Vibrance
P1V,RN	Poncho 1250/Votivo, Rancona®

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