

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

2020 Corn Grain Top 30 Harvest Report

Missouri Central [MOCE] SWEET SPRINGS, MO

Bruce Strobel, Johnson County, MO 64020

Early-Season Test	107 - 112 Day CRM B2020MOCE01a
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybean / Roundup Powermax, Xtendimax, Select
SOIL DESCRIPTION:	Haig silt loam, moderately drained, irrigated
SOIL CONDITION:	Minimum W/O Fall Till, very high P, high K, 5.4 pH, 2.9% OM, 17.2 CEC
PEST MANAGEMENT:	Mustang Maxx, Stalwart 3w, Autumn Super, Buccaneer, Force 3g
FERTILITY - Applied N:	205 Spring
Applied N-P-K (units):	205-48-67
SEEDED - RATE - ROW:	May 2 30.4 /A 30" spacing
HARVESTED - STAND:	Oct 7 28.2 /A

TEST COMMENTS:

Soil conditions were very good at planting. May was very wet. The crop was most stressed around pollination with high temperatures for an extended time. Irrigation of .75" was applied on July 9th and .75" on July 13th. The hot and dry period was before irrigation and after. Generally, the location had plenty of moisture all year, maybe too much at times. It seemed that the crop didn't really die, and was slow to dry down this year.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS INVISION	FS 6194V RIB	VT2P,B	111	250.3	18.6	3	28.1	844	1
MIDLAND GENETICS	381VLGA EZ1	3220A,B	108	246.2	18.8	2	29.2	829	2
NUTECH	70A8AM	AM,B	110	243.5	17.7	3	28.8	829	3
GREAT HEART	HT-7256DGVT2P	VT2PDG,B	112	241.9	19.4	2	28.2	810	6
FS INVISION	FS 6107T RIB	TRE,B	111	241.7	17.3	1	28.7	826	4
NK BRAND	NK1205-3120-EZR	3120,B	112	241.6	18.4	4	29.4	817	5
LEWIS	10DP719	VT2P,B	110	237.0	18.8	3	28.3	798	8
MIDLAND GENETICS	570PR RIB	VT2P,B	112	236.3	18.7	2	26.9	796	10
NUTECH	68B3VYHR	OL,B	108	236.1	17.9	1	28.9	802	7
MIDLAND GENETICS	430PR RIB	VT2P,B	110	235.0	18.0	2	28.4	798	9
NUTECH	72B7CYFR	QR	112	234.4	19.5	2	27.1	783	13
FS INVISION	FS 62ZV1 RIB	VT2P,B	112	233.9	18.6	3	29.2	789	11
MIDLAND GENETICS	XP110-1PR	VT2P,B	110	232.2	19.1	2	29.8	780	15
GOLDEN HARVEST	G10L16-5222A-EZR	5222A,B	110	231.5	18.3	4	28.4	784	12
LEWIS	12DT371	TRE,B	112	230.8	18.5	2	29.0	780	16
BURRUS	6G34 VT2P	VT2P,B	112	229.7	18.3	3	27.1	777	17
AUGUSTA	1259	3330,B	109	229.6	17.6	6	28.9	783	14
PIONEER	P1077AM GC	AM,AQ,B	110	229.4	18.9	3	27.4	772	18
FS INVISION	FS 6106X RIB	STX,B	111	228.2	18.7	3	27.7	769	21
LEWIS	09DD740	VT2PDG,B	109	227.8	18.2	2	27.9	772	19
BURRUS	POWER PLUS 4F71AM	AM,B	109	226.7	17.8	2	28.5	771	20
DEKALB	DKC62-53RIB GC	VT2P,B	112	226.2	18.3	2	29.2	766	22
NUTECH	68A7AM	AM,B	107	224.8	18.4	4	28.3	760	23
MIDLAND GENETICS	429PR RIB	VT2P,B	110	224.3	18.5	3	28.5	758	25
NK BRAND	NK1082-3330A-EZR	3330A,B	110	224.0	18.2	3	25.6	759	24
DYNA-GRO	D52DC82	VT2PDG	112	223.7	18.2	5	27.3	758	26
LEWIS	08DP739	VT2P,B	108	223.7	18.1	1	29.0	758	27
LEWIS	07DP700	VT2P,B	107	220.3	17.9	3	28.2	748	28
BURRUS	POWER PLUS 6Z43AM	AM,B	112	219.1	18.9	2	29.5	737	32
NUTECH	5FB-8808AM	AM,B	108	218.4	18.0	3	29.2	742	30
PIONEER	P1380AM CK	AM	113	221.8	19.3	9	27.3	743	29
				Averages =	228.6	18.4	3	28.2	774
				LSD (0.10) =	13.1	0.5	ns		
				LSD (0.25) =	6.9	0.3	ns		
				C.V. =	6.3				
				Historic yield: 229.6 bu/a, 1 yr(s)					

William Schelp

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

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

Report Date: 10/11/2020

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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Bruce Strobel, Johnson County, MO 64020

Full-Season Test	113 - 117 Day CRM B2020MOCE01b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybean / Roundup Powermax, Xtendimax, Select
SOIL DESCRIPTION:	Haig silt loam, moderately drained, irrigated
SOIL CONDITION:	Minimum W/O Fall Till, very high P, high K, 5.4 pH, 2.9% OM, 17.2 CEC
PEST MANAGEMENT:	Mustang Maxx, Stalwart 3w, Autumn Super, Buccaneer, Force 3g
FERTILITY - Applied N:	205 Spring
Applied N-P-K (units):	205-48-67
SEEDED - RATE - ROW:	May 2 30.4 /A 30" spacing
HARVESTED - STAND:	Oct 7 27.9 /A

TEST COMMENTS:

Soil conditions were very good at planting. May was very wet. The crop was most stressed around pollination with high temperatures for an extended time. Irrigation of .75" was applied on July 9th and .75" on July 13th. The hot and dry period was before irrigation and after. Generally, the location had plenty of moisture all year, maybe too much at times. It seemed that the crop didn't really die, and was slow to dry down this year.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
DEKALB	DKC65-95RIB GC	VT2P,B	115	251.2	20.2	1	29.0	834	1
LEWIS	16DP887	VT2P,B	116	245.2	21.3	1	27.3	804	2
<i>FS INVISION</i>	<i>FS 6606T RIB</i>	<i>TRE,B</i>	<i>116</i>	244.2	22.9	1	28.3	787	10
PIONEER	P1870AM GC	AM,B	118	243.7	21.2	1	28.0	800	5
MIDLAND GENETICS	801PR RIB	VT2P,B	117	241.5	19.9	1	29.3	804	3
AGRIGOLD	A6572VT2RIB GC	VT2P,B	114	241.4	20.6	1	29.9	797	6
GREAT HEART	HT-7302VT2P	VT2P,B	113	239.6	19.5	1	28.6	801	4
MIDLAND GENETICS	660PR DG RIB	VT2PDG,B	113	238.7	20.0	1	28.7	794	8
MIDLAND GENETICS	790SS RIB	STX,B	116	238.7	19.9	1	29.9	795	7
FS INVISION	FS 6395VDG RIB	VT2PDG,B	113	236.2	20.0	2	28.7	785	11
FS INVISION	FS 6306T RIB	TRE,B	113	235.7	19.1	1	28.2	792	9
<i>NUTECH</i>	<i>75G1AM</i>	<i>AM,B</i>	<i>115</i>	235.5	22.7	1	25.5	761	17
LEWIS	15DT890	TRE,B	115	234.2	20.0	1	27.6	779	12
LEWIS	15DP899	VT2P,B	115	233.9	20.9	4	28.7	770	16
LEWIS	16DP850	VT2P,B	116	232.7	19.7	2	27.2	776	13
AGRIGOLD	A6579VT2RIB GC	VT2P,B	114	232.2	19.7	1	29.1	774	14
DYNA-GRO	D53VC33	VT2P	113	231.0	19.4	1	27.6	773	15
DYNA-GRO	D54VC34	VT2P	114	226.2	21.0	3	26.3	744	20
GOLDEN HARVEST	G14N11-5222-EZR	5222,B	114	225.5	20.5	2	28.5	745	18
FS INVISION	FS 6595V RIB	VT2P,B	115	225.5	21.1	1	26.9	741	21
LEWIS	14DD849	VT2PDG,B	114	225.2	20.5	2	28.1	745	19
AGRIGOLD	A646-12VT2RIB GC	VT2P,B	116	223.0	20.3	2	26.8	740	22
GOLDEN HARVEST	G15J91-3220-EZR	3220,B	115	222.8	21.2	2	28.3	731	25
DEKALB	DKC64-35RIB GC	VT2P,B	114	221.3	20.0	1	28.6	736	23
NUTECH	74B6AM	AM,B	114	220.3	20.1	6	28.5	732	24
NK BRAND	NK1523-3220-EZR	3220,B	115	218.2	21.0	1	27.6	718	26
MIDLAND GENETICS	770PR DG RIB	VT2PDG,B	115	216.2	20.3	1	26.9	716	27
NK BRAND	NK1239-5122-EZR	5122,B	112	214.1	19.5	2	28.0	715	28
NUTECH	5FB-2213AM	AM,B	113	213.3	19.5	2	28.8	713	29
PIONEER	P1464AML GC	AM	114	213.1	20.0	3	28.5	709	30
PIONEER	P1380AM CK	AM	113	199.9	19.9	5	27.0	665	35
				Averages =	226.8	20.5	2	27.9	749
				LSD (0.10) =	13.7	0.8	2		
				LSD (0.25) =	7.2	0.4	1		
				C.V. =	6.6				

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Historic yield: 229.6 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

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	TRE,B	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
 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.