

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

William Schelp

William Schelp

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C.V. = 7.5

Historic yield: 208.3 bu/a, 8 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: 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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Missouri North [MONO] PALMYRA, MO

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Full-Season Test	113 - 116 Day CRM B2020MONO05b
Top 30 of 44	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Corn, 2+ Yr / Follow 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 29.6 /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
MIDLAND GENETICS	801PR RIB	VT2P,B	117	245.6	23.2	1	27.9	790	2
NUTECH	74B6AM	AM,B	114	241.9	20.8	1	30.4	797	1
NUTECH	5FB-2213AM	AM,B	113	239.4	20.9	2	28.4	788	3
LEWIS	14DD849	VT2PDG,B	114	238.6	22.7	1	29.4	771	5
WYFFELS	W8936DGRIB	VT2PDG,B	117	237.7	21.9	2	29.1	775	4
FS INVISION	FS 6595V RIB	VT2P,B	115	236.3	24.2	1	29.3	751	9
PIONEER	P1380AM GC	AM	113	231.6	21.1	4	28.6	761	7
LEWIS	16DP850	VT2P,B	116	230.4	24.7	1	28.6	728	28
MIDLAND GENETICS	721PR RIB	VT2P,B	115	229.7	21.7	2	30.3	750	10
NUTECH	75G1AM	AM,B	115	229.0	21.5	7	29.6	750	11
DEKALB	DKC65-95RIB GC	VT2P,B	115	228.9	23.3	2	29.4	735	19
WYFFELS	W7956RIB	VT2P,B	114	227.6	22.6	2	30.4	736	17
WYFFELS	W7726RIB	VT2P,B	113	227.0	21.9	1	30.3	739	15
NK BRAND	NK1239-5122-EZR	5122,B	112	226.9	22.3	2	31.0	736	18
LEWIS	15DT890	TRE,B	115	226.5	21.9	5	29.7	738	16
NUTECH	E74C1AM	AM,B	114	226.4	21.2	2	29.7	743	13
DURACROP	3142	PC,E	114	226.2	22.3	3	29.7	734	21
RENK	RK965VT2P	VT2P,B	116	226.2	23.5	1	30.9	725	29
GREEN VALLEY	8472	VT2P,B	114	226.1	22.1	1	28.9	735	20
RENK	RK937VT2P	VT2P,B	113	225.9	18.5	2	29.2	763	6
FS INVISION	FS 6395VDG RIB	VT2PDG,B	113	225.5	20.4	3	29.2	746	12
MIDLAND GENETICS	660PR DG RIB	VT2PDG,B	113	225.3	19.3	5	29.3	754	8
LEWIS	15DP899	VT2P,B	115	224.8	23.3	2	30.3	721	31
LEWIS	16DP887	VT2P,B	116	224.2	21.9	22	30.3	731	27
DYNA-GRO	D54VC34	VT2P	114	224.1	21.5	2	29.7	733	22
GOLDEN HARVEST	G14N11-5222-EZR	5222,B	114	223.4	20.2	1	28.0	742	14
RENK	RK945DGVT2P	VT2PDG,B	115	222.6	21.0	2	29.3	732	25
WYFFELS	W7876RIB	VT2P,B	114	221.8	20.5	1	30.1	733	23
FS INVISION	FS 6306T RIB	TRE,B	113	220.1	19.9	3	29.4	733	24
DYNA-GRO	D53VC33	VT2P	113	214.2	18.7	4	29.1	722	30
PIONEER	P1138AM CK	AM	111	219.4	19.7	6	28.9	732	26
				Averages =	223.5	21.5	4	29.6	730
				LSD (0.10) =	12.0	1.1	7		
				LSD (0.25) =	6.3	0.6	4		
				C.V. =	5.9			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

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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 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

2020 Corn - Missouri North [MONO]

Full-Season Test Products (44 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
DEKALB	DKC65-95RIB GC	VT2P,B	115	NA
DURACROP	3142	PC,E	114	AC,P5
DURACROP	3148	3000GT	114	CM,C2,Vi
DURACROP	3150	VT2P	115	CM,C2,Vi
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 6406X RIB	STX,B	114	AC,P5V
FS INVISION	FS 6595V RIB	VT2P,B	115	AC,P5V
FS INVISION	FS 6606T RIB	TRE,B	116	AC,P5V
GOLDEN HARVEST	G13T41-3120-EZR	3120,B	113	AVC,C5,Vi
GOLDEN HARVEST	G14N11-5222-EZR	5222,B	114	AVC,C5,Vi
GOLDEN HARVEST	G15J91-3220-EZR	3220,B	115	AVC,C5,Vi
GREEN VALLEY	8392	VT2P,B	113	AC250
GREEN VALLEY	8472	VT2P,B	114	AC250
HOEGEMEYER	8490AM GC	AM,AQ,B	114	Lum,P5V
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	721PR RIB	VT2P,B	115	AC
MIDLAND GENETICS	770PR DG RIB	VT2PDG,B	115	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	E74C1AM	AM,B	114	P1V,RN
NUTECH	E74D3AM	AM,B	114	P1V,RN
PIONEER	P1138AM CK	AM	111	NA
PIONEER	P1380AM GC	AM	113	NA

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
PIONEER	P1464AML GC	AM	114	NA
RENK	RK937VT2P	VT2P,B	113	AC,P2
RENK	RK945DGV2P	VT2PDG,B	115	AC,P2
RENK	RK965VT2P	VT2P,B	116	AC,P2
WYFFELS	W7726RIB	VT2P,B	113	AC250
WYFFELS	W7876RIB	VT2P,B	114	AC250
WYFFELS	W7956RIB	VT2P,B	114	AC250
WYFFELS	W8936DGRIB	VT2PDG,B	117	AC250

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	Accelaron®, unspecified
AC250	Accelaron 250
AC,P2	Accelaron, Poncho 250
AC,P5	Accelaron, Poncho 500
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	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.