

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

2020 Corn Grain Top 30 Harvest Report

Missouri North [MONO] GREENTOP, MO
Terry Sevits, Schuyler County, MO 63546

Early-Season Test	107 - 112 Day CRM B2020MONO03a
Top 30 of 44	For Gross Income (Sorted by Yield) Average of (4) Replications
PREV. CROP/HERB:	Soybean / Sonic, Zidua, Glyphosate
SOIL DESCRIPTION:	Edina-Seymour silty clay loam, moderately drained, non- irrigated
SOIL CONDITION:	Minimum W/O Fall Till, low P, medium K, 5.4 pH, 2.4% OM, 16.4 CEC
PEST MANAGEMENT:	Brawl 2, Roundup, Force 3g
FERTILITY - Applied N:	150 Spring
Applied N-P-K (units):	150-50-100
SEEDED - RATE - ROW:	Apr 23 30.4 /A 30" spacing
HARVESTED - STAND:	Oct 13 29.0 /A

TEST COMMENTS:

Trial went in timely, planted into great soil conditions. Same time as surrounding field. Stands were nice and even. Favorable growing season overall with a couple hot and dry periods. Not uncommon in Missouri. Stalk quality was excellent at harvest. Kernel depth was noticeably shallow. While most ears still filled out to tip. Nice, representative, upland North Missouri trail for 2020.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
HOEGEMEYER	8268Q GC	QR,B	112	203.4	16.2	1	28.6	704	1
GOLDEN HARVEST	G10L16-5222A-EZR	5222A,B	110	200.3	15.6	1	28.8	697	2
PIONEER	P0977AM GC	AM,B	109	198.4	15.5	1	29.1	691	3
RENK	RK842VT2P	VT2P,B	112	198.0	15.5	1	29.2	690	4
NUTECH	72B7CYFR	QR	112	197.8	16.0	1	28.8	686	6
LEWIS	10DP719	VT2P,B	110	197.2	15.5	1	28.5	687	5
MIDLAND GENETICS	430PR RIB	VT2P,B	110	196.1	15.3	1	29.4	684	7
NK BRAND	NK1082-3330A-EZR	3330A,B	110	194.2	15.2	1	28.6	678	8
PIONEER	P1197AM GC	AM,B	111	194.0	15.5	1	29.4	676	9
DEKALB	DKC62-53RIB GC	VT2P,B	112	193.0	15.5	3	28.9	672	11
NUTECH	68A7AM	AM,B	107	192.5	15.0	1	29.2	674	10
AUGUSTA	1259	3330,B	109	191.4	14.6	2	29.0	670	12
RENK	RK866DGVT2P	VT2PDG	112	190.8	15.2	1	28.8	666	13
MIDLAND GENETICS	429PR RIB	VT2P,B	110	188.7	15.6	3	29.5	657	16
NUTECH	5FB-8808AM	AM,B	108	188.4	14.8	10	29.4	659	15
PIONEER	P1077AM GC	AM,AQ,B	110	187.0	15.3	1	28.2	653	17
FS INVISION	FS 62ZV1 RIB	VT2P,B	112	186.8	15.6	1	29.0	650	19
FS INVISION	FS 6194V RIB	VT2P,B	111	186.5	14.9	2	29.2	653	18
RENK	RK882SSTX	STX	111	185.7	16.2	1	29.2	642	25
NK BRAND	NK0821-3120A-EZR	3120A,B	108	185.5	14.5	2	29.1	649	20
LEWIS	09DD740	VT2PDG,B	109	185.3	15.0	2	28.9	648	21
MIDLAND GENETICS	XP110-1PR	VT2P,B	110	185.1	15.3	1	28.7	646	22
HOEGEMEYER	8233AM GC	AM,AQ,B	112	185.0	16.5	1	29.3	637	26
MIDLAND GENETICS	381VLGA EZ1	3220A,B	108	184.6	15.2	2	29.0	645	23
FS INVISION	FS 5892V RIB	VT2P,B	108	184.3	15.0	1	28.1	645	24
DURACROP	3135	VT2P	112	183.3	15.6	2	28.0	637	27
NK BRAND	NK1205-3120-EZR	3120,B	112	182.2	15.5	1	30.3	635	28
BURRUS	POWER PLUS 4F71AM	AM,B	109	180.3	15.1	1	28.9	630	29
BURRUS	POWER PLUS 6Z43AM	AM,B	112	179.6	15.5	1	28.3	626	30
NUTECH	70A8AM	AM,B	110	179.4	15.4	10	29.9	626	31
PIONEER	P1138AM CK	AM	111	190.6	15.3	2	29.3	665	14

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Averages = **182.5** **15.4** **3** **29.0** **634**

LSD (0.10) = 14.0 0.3 5

LSD (0.25) = 7.3 0.2 2

C.V. = 8.4

Historic yield: 180.2 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: 10/17/2020

Revised: 10/22/2020 Wrong strip length used in calculations, all yields decrease proportionally, rankings unchanged.

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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Full-Season Test	113 - 116 Day CRM B2020MONO03b
Top 30 of 44	For Gross Income (Sorted by Yield) Average of (4) Replications
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SOIL CONDITION:	Minimum W/O Fall Till, low P, medium K, 5.4 pH, 2.4% OM, 16.4 CEC
PEST MANAGEMENT:	Brawl 2, Roundup, Force 3g
FERTILITY - Applied N:	150 Spring
Applied N-P-K (units):	150-50-100
SEEDED - RATE - ROW:	Apr 23 30.4 /A 30" spacing
HARVESTED - STAND:	Oct 13 29.1 /A

TEST COMMENTS:

Trial went in timely, planted into great soil conditions. Same time as surrounding field. Stands were nice and even. Favorable growing season overall with a couple hot and dry periods. Not uncommon in Missouri. Stalk quality was excellent at harvest. Kernel depth was noticeably shallow. While most ears still filled out to tip. Nice, representative, upland North Missouri trial for 2020.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
LEWIS	16DP850	VT2P,B	116	227.1	16.7	1	30.3	781	1
DURACROP	3148	3000GT	114	223.1	17.2	1	29.0	764	3
DEKALB	DKC65-95RIB GC	VT2P,B	115	222.9	16.7	1	29.0	767	2
DYNA-GRO	D54VC34	VT2P	114	221.5	17.1	1	28.4	759	6
GOLDEN HARVEST	G15J91-3220-EZR	3220,B	115	221.0	16.7	1	29.3	760	5
GOLDEN HARVEST	G14N11-5222-EZR	5222,B	114	220.7	16.7	1	29.3	759	7
PIONEER	P1380AM GC	AM	113	219.0	15.3	1	28.9	764	4
LEWIS	14DD849	VT2PDG,B	114	217.7	16.5	1	29.6	751	9
WYFFELS	W7956RIB	VT2P,B	114	217.6	17.0	1	28.9	746	13
NK BRAND	NK1239-5122-EZR	5122,B	112	217.3	15.8	1	28.9	754	8
NUTECH	74B6AM	AM,B	114	216.7	16.1	1	28.9	750	10
MIDLAND GENETICS	801PR RIB	VT2P,B	117	216.4	16.5	1	29.5	746	14
DURACROP	3142	PC,E	114	216.3	17.8	1	29.0	736	22
RENK	RK965VT2P	VT2P,B	116	215.4	17.3	1	29.2	737	20
WYFFELS	W7876RIB	VT2P,B	114	215.3	15.7	1	29.6	748	12
FS INVISION	FS 6406X RIB	STX,B	114	215.0	16.7	1	29.3	740	17
NUTECH	5FB-2213AM	AM,B	113	215.0	15.9	1	29.1	745	15
LEWIS	15DP899	VT2P,B	115	214.8	16.2	1	28.5	743	16
GREEN VALLEY	8392	VT2P,B	113	214.4	15.1	2	28.7	750	11
WYFFELS	W8936DGRIB	VT2PDG,B	117	214.4	16.7	1	29.2	738	19
FS INVISION	FS 6595V RIB	VT2P,B	115	213.8	16.6	1	28.4	737	21
NUTECH	E74C1AM	AM,B	114	213.6	16.2	1	29.2	739	18
HOEGEMEYER	8490AM GC	AM,AQ,B	114	212.0	16.2	1	28.7	733	23
PIONEER	P1464AML GC	AM	114	211.9	16.3	1	29.5	732	24
LEWIS	16DP887	VT2P,B	116	211.0	17.4	1	29.3	721	27
NUTECH	E74D3AM	AM,B	114	210.9	15.9	1	28.9	732	25
NK BRAND	NK1523-3220-EZR	3220,B	115	209.6	16.8	1	28.8	721	28
RENK	RK945DGV2P	VT2PDG,B	115	209.2	17.2	1	29.7	716	31
FS INVISION	FS 6606T RIB	TRE,B	116	209.1	16.9	1	29.4	718	30
FS INVISION	FS 6395VDG RIB	VT2PDG,B	113	207.3	15.6	1	29.2	721	29
PIONEER	P1138AM CK	AM	111	209.3	15.6	1	29.1	728	26
				Averages =	212.0	16.4	1	29.1	731
				LSD (0.10) =	9.6	0.5	ns		
				LSD (0.25) =	5.0	0.2	ns		
				C.V. =	4.9				
				Historic yield: 180.2 bu/a, 8 yr(s)					

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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	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.