

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

2020 Corn Grain Top 30 Harvest Report

Missouri North [MONO] MARYVILLE, MO

Thummel Enterprises, Inc., Jeff & Deb Thummel, Nodaway County, MO

Early-Season Test	107 - 112 Day CRM B2020MONO02a
Top 30 of 44	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Zidua Pro, Liberty, Dual 2 Mag, Round-Up
SOIL DESCRIPTION:	Colo silty clay loam, moderately drained, non-irrigated
SOIL CONDITION:	No-Till, high P, medium K, 5.9 pH, 2.7% OM, 17.8 CEC
PEST MANAGEMENT:	Resicore, Callisto, Round-Up, Atrazine, Force 3g, Quilt XI
FERTILITY - Applied N:	170 Fall, 50 Spring, 25 sulfur
Applied N-P-K (units):	220-60-150
SEEDED - RATE - ROW:	Apr 30 32.4 /A 30" spacing
HARVESTED - STAND:	Sep 29 31.9 /A

TEST COMMENTS:

This is a new deep loess soil trial site for FIRST. Stands were good and even with the exception of one corner of the early test. This was an unforeseen spot in the field that has not historically had standing water, and the 4th rep of the early test was dropped in that area. Rainfall was trending above 10-year averages through mid-June, and then it shut off. The area did catch a few rain events during critical pollination and grain fill. August was extremely dry. Yields were phenomenal in the field.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
MIDLAND GENETICS	XP110-1PR	VT2P,B	110	275.1	24.8	1	32.2	868	3
NUTECH	68A7AM	AM,B	107	273.5	23.7	1	32.9	874	2
NUTECH	70A8AM	AM,B	110	273.3	23.5	1	32.2	875	1
HOEGEMEYER	8268Q GC	QR,B	112	270.1	25.4	1	32.2	847	10
DEKALB	DKC62-53RIB GC	VT2P,B	112	269.9	24.6	1	32.2	854	5
RENK	RK882SSTX	STX	111	268.9	27.5	1	30.8	823	23
MIDLAND GENETICS	381VLGA EZ1	3220A,B	108	267.9	23.2	1	31.5	860	4
RENK	RK866DGV2P	VT2PDG	112	267.6	24.1	1	31.5	852	6
NUTECH	72B7CYFR	QR	112	267.3	24.1	1	32.2	850	7
GREEN VALLEY	8102	VT2P,B	111	267.0	25.5	1	32.2	836	11
MIDLAND GENETICS	570PR RIB	VT2P,B	112	265.4	25.9	1	31.5	828	17
PIONEER	P1197AM GC	AM,B	111	264.6	26.0	1	32.2	824	21
FS INVISON	FS 6107T RIB	TRE,B	111	264.1	23.3	1	32.2	848	9
GOLDEN HARVEST	G10L16-5222A-EZR	5222A,B	110	264.1	24.9	1	32.2	833	13
LEWIS	09DD740	VT2PDG,B	109	263.8	24.7	1	32.2	834	12
FS INVISON	FS 6194V RIB	VT2P,B	111	263.6	22.9	1	32.2	850	8
AUGUSTA	1259	3330,B	109	263.1	24.7	1	32.2	831	16
LEWIS	10DP719	VT2P,B	110	263.0	25.7	1	31.5	822	24
BURRUS	POWER PLUS 4F71AM	AM,B	109	262.8	24.5	1	31.5	833	14
HOEGEMEYER	8233AM GC	AM,AQ,B	112	261.7	24.2	1	32.9	832	15
DURACROP	3135	VT2P	112	261.6	24.7	1	31.5	827	19
GREEN VALLEY	8282	VT2P,B	112	260.8	25.7	1	31.5	815	28
BURRUS	6G34 VT2P	VT2P,B	112	259.5	25.2	1	32.2	816	27
BURRUS	POWER PLUS 6Z43AM	AM,B	112	259.3	24.6	1	32.2	820	25
PIONEER	P1077AM GC	AM,AQ,B	110	258.0	23.3	1	31.5	828	18
LEWIS	08DP739	VT2P,B	108	257.8	25.0	1	32.9	812	31
NK BRAND	NK1082-3330A-EZR	3330A,B	110	257.2	24.7	1	30.2	813	29
NK BRAND	NK0821-3120A-EZR	3120A,B	108	256.1	23.7	1	32.2	818	26
NUTECH	5FB-8808AM	AM,B	108	254.6	22.6	1	31.5	824	22
NUTECH	68B3VYHR	OL,B	108	249.1	21.7	1	30.8	813	30
PIONEER	P1138AM CK	AM	111	255.9	22.8	1	32.2	826	20

Averages = **259.4** **24.6** **1** **31.9** **820**

LSD (0.10) = 10.1 1.2 ns

LSD (0.25) = 5.3 0.6 ns

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C.V. = 3.7

Historic yield: 123.1 bu/a, 2 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: 10/02/2020

Revised: 10/02/2020

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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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

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.