

Test by: F.I.R.S.T. NCB, Inc. Lanark, IL

2019 Corn Grain Top 30 Harvest Report

Michigan South [MISO] HANOVER, MI

Magda Farms Steve Magda, Jackson County, MI 49241

Early-Season Test	97 - 103 Day CRM B2019MISO21a
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Bicep, Roundup
SOIL DESCRIPTION:	Spinks loamy sand, well drained, irrigated
SOIL CONDITION:	Conventional W/ Fall Till, very high P, medium K, 6.9 pH, 1.7% OM, 5.8 CEC
PEST MANAGEMENT:	Stalwart C, Roundup, Force
FERTILITY - Applied N:	150 Spring, 5 Planter, 56 Foliar Rescue
Applied N-P-K (units):	211-11-3
SEDED - RATE - ROW:	May 22 34.5 /A 30" spacing
HARVESTED - STAND:	Nov 4 33.8 /A

TEST COMMENTS:

Strong yields from moderately late planting in a well managed field. Ears were filled to the tip and girth was good. Foliar disease pressure was light for corn on corn under irrigation, with some anthracnose noted. Stalk quality was still good, helping with little to no lodging across the plot.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
DAIRYLAND	DS-4310AM	AM	103	243.3	20.8	2	33.1	858	2
INTEGRA	4888	STX,B	98	242.5	18.4	1	33.1	873	1
RENK	RK642VT2P	VT2P,B	103	238.9	20.2	1	33.1	846	5
INTEGRA	5280	STX,B	102	237.6	20.0	1	34.8	843	7
SPECIALTY	28D249	VT2P,B	98	237.6	17.9	1	33.9	858	3
M & W SEEDS	45T56	VT2P,B	100	237.4	19.7	1	33.9	845	6
RUPP	XR D97-95	VT2P,B	97	237.3	18.4	1	33.9	854	4
FS INVISION	FS 5098X RIB	STX,B	100	233.0	19.9	1	34.8	828	10
LOCAL SEED CO	ZS9796 3220EZ	3220	97	232.4	18.2	1	34.8	838	8
GREAT HEART	HT-5831VIP3220EZ	3220,B	98	231.3	18.4	1	34.8	832	9
DYNA-GRO	D43VC81	VT2P	102	230.4	20.0	1	33.1	818	15
RUPP	XR J98-52	VT2P,B	98	230.1	18.5	1	33.9	827	12
GOLDEN HARVEST	G97N86-3220-EZR	3220,B	97	229.9	18.2	1	34.8	828	11
DAIRYLAND	DS-4018AM	AM,AQ,B	101	229.6	19.6	1	34.8	818	16
AUGUSTA	A2448	3220,B	97	229.1	18.5	1	34.8	823	13
SPECIALTY	32A886	STX,B	102	228.4	19.8	1	33.9	812	19
NK BRAND	NK9852-3120-EZR	3120,B	98	227.3	18.5	1	33.9	817	17
RENK	RK579DGV2P	VT2P,DG,B	98	227.2	18.2	1	34.8	819	14
RENK	RK587VT2P	VT2P,B	97	226.1	18.2	1	34.8	815	18
LOCAL SEED CO	ZS0398 3110	3110	103	224.7	19.6	2	32.2	800	25
RUPP	XR D96-13	3220,B	96	224.5	17.9	1	33.1	811	20
GOLDEN HARVEST	G03R40-3110	3110	103	224.2	20.1	1	34.8	795	26
DAIRYLAND	DS-3715AM	AM,B	98	223.9	18.0	1	33.1	808	21
SPECIALTY	27D728	VT2P,B	97	223.5	18.5	1	33.9	804	22
DAIRYLAND	DS-3750AM	AM	97	222.4	18.0	1	33.9	803	23
FS INVISION	FS 47TV1 RIB	VT2P,B	97	221.2	18.5	1	34.8	795	27
M & W SEEDS	46P76	VT2P,B	97	220.5	17.2	2	33.9	801	24
FS INVISION	FS 51QX1 RIB	STX,B	101	219.7	19.9	1	34.8	781	29
INTEGRA	4782	VT2P,B	97	218.9	18.3	1	32.2	788	28
LOCAL SEED CO	LC0297 SSX	STX	102	218.8	20.4	1	32.2	774	31
PIONEER	P0157AMXT CK	AMXT,AQ,B	101	220.0	20.2	1	33.1	780	30
				Averages =	223.2	19.2	1	33.8	798
				LSD (0.10) =	13.6	0.5	ns		
				LSD (0.25) =	7.1	0.3	ns		
				C.V. =	5.8				

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$3.70; non-GMO = \$3.75

Report Date: 11/05/2019

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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2019 Corn Grain Top 30 Harvest Report

Michigan South [MISO] HANOVER, MI

Magda Farms Steve Magda, Jackson County, MI 49241

Full-Season Test	104 - 107 Day CRM B2019MISO21b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Corn / Bicep, Roundup
SOIL DESCRIPTION:	Spinks loamy sand, well drained, irrigated
SOIL CONDITION:	Conventional W/ Fall Till, very high P, medium K, 6.9 pH, 1.7% OM, 5.8 CEC
PEST MANAGEMENT:	Stalwart C, Roundup, Force
FERTILITY - Applied N:	150 Spring, 5 Planter, 56 Foliar Rescue
Applied N-P-K (units):	211-11-3
SEDED - RATE - ROW:	May 22 34.5 /A 30" spacing
HARVESTED - STAND:	Nov 4 33.6 /A

TEST COMMENTS:

Strong yields from moderately late planting in a well managed field. Ears were filled to the tip and girth was good. Foliar disease pressure was light for corn on corn under irrigation, with some anthracnose noted. Stalk quality was still good, helping with little to no lodging across the plot.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
M & W SEEDS	44R77	VT2P,B	107	241.0	21.9	1	33.5	842	2
DAIRYLAND	DS-4318AM	AM,B	105	239.4	20.9	1	34.8	844	1
RENK	RK710DGV2P	VT2P,DG,B	106	235.0	21.3	1	32.2	825	4
INTEGRA	5529	STX,B	105	234.4	21.3	1	33.5	823	5
SPECIALTY	34A007	STX,B	104	234.1	20.8	1	33.5	826	3
DAIRYLAND	DS-7004RA	PC,B	104	232.7	20.6	1	33.5	822	6
INTEGRA	5719	VT2P,B	107	230.7	22.1	1	32.2	805	9
RENK	RK737SSTX	STX,B	106	230.3	21.6	1	34.8	807	8
DAIRYLAND	DS-4580AM	AM	105	229.9	22.0	1	33.5	803	10
GOLDEN HARVEST	G06Q68-3220	3220,B	106	226.3	22.0	1	34.8	790	11
FS INVISON	FS 5594X RIB	STX,B	105	224.5	21.0	1	32.2	790	12
RUPP	XR D06-53	VT2P,B	106	224.0	22.0	1	33.5	782	15
INTEGRA	CX931104	VT2P	104	222.5	20.1	1	32.2	789	13
LOCAL SEED CO	LC0657 SSXRIB	STX,B	106	222.4	20.8	1	34.8	784	14
DEKALB	DKC60-88RIB GC	VT2P,B	110	219.5	21.5	1	33.5	769	18
LOCAL SEED CO	LC0488 SSXRIB	STX,B	104	219.5	21.8	1	33.5	767	19
NK BRAND	NK0624-3220-EZR	3220,B	106	219.3	22.0	1	32.2	765	22
FS INVISON	FS 55RL1 EZR	3220,B	105	217.7	21.1	1	32.2	766	21
RUPP	XR D07-72	VT2P,B	107	217.7	21.5	1	33.5	763	24
PIONEER	P0339AMXT GC	AMXT,AQ,B	103	217.5	20.3	1	34.8	770	17
DAIRYLAND	DS-4329AM	AM,B	105	217.0	20.6	1	33.5	767	20
GOLDEN HARVEST	G05K08-3010A-EXR	3010,A	105	217.0	19.9	1	34.8	771	16
DYNA-GRO	D46VC62	VT2P	106	216.8	20.9	1	32.2	764	23
FS INVISON	FS 57ZX1 RIB	STX,B	107	216.1	21.9	1	33.5	755	25
SPECIALTY	36A537	STX,B	106	214.0	21.4	1	34.8	750	26
DAIRYLAND	DS-4440AM	AM,B	104	213.4	21.4	1	36.2	749	27
AUGUSTA	A2054 GC	3010	104	211.7	20.8	1	33.5	746	28
M & W SEEDS	44P86	VT2P,B	105	210.5	20.5	1	33.5	744	29
DEKALB	DKC55-53RIB GC	STX,B	105	208.1	20.6	1	34.8	735	30
GOLDEN HARVEST	G04S19-3122-EZR GC	3122,B	104	206.8	20.8	1	36.2	729	31
PIONEER	P0157AMXT CK	AMXT,AQ,B	101	232.4	20.9	1	32.2	819	7

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Averages = **219.8** **21.1** **1** **33.6** **773**

LSD (0.10) = 12.4 ns ns

LSD (0.25) = 6.5 ns ns

C.V. = 4.3

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$3.70; non-GMO = \$3.75

Report Date: 11/05/2019

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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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2019 Corn - Michigan South [MISO]

Early-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	RM
AUGUSTA	A2448	3220,B	97
AUGUSTA	A3052	3110	102
DAIRYLAND	DS-3715AM	AM,B	98
DAIRYLAND	DS-3750AM	AM	97
DAIRYLAND	DS-4018AM	AM,AQ,B	101
DAIRYLAND	DS-4019AM	AM,B	99
DAIRYLAND	DS-4310AM	AM	103
DYNA-GRO	D43VC81	VT2P	102
FS INVISION	FS 47TV1 RIB	VT2P,B	97
FS INVISION	FS 5098X RIB	STX,B	100
FS INVISION	FS 51QX1 RIB	STX,B	101
FS INVISION	FS 53ZX1 RIB	STX,B	103
GOLDEN HARVEST	G00H12-3010	3010	100
GOLDEN HARVEST	G03R40-3110	3110	103
GOLDEN HARVEST	G97N86-3220-EZR	3220,B	97
GREAT HEART	HT-5831VIP3220EZ	3220,B	98
INTEGRA	4782	VT2P,B	97
INTEGRA	4888	STX,B	98
INTEGRA	5081	VT2P,DG,B	100
INTEGRA	5280	STX,B	102
LOCAL SEED CO	LC0057 SSXRIB	STX,B	100
LOCAL SEED CO	LC0297 SSX	STX	102
LOCAL SEED CO	LC9888 VT2PRIB	VT2P,B	98
LOCAL SEED CO	ZS0398 3110	3110	103
LOCAL SEED CO	ZS9796 3220EZ	3220	97
M & W SEEDS	45R69	VT2P,B	103
M & W SEEDS	45T56	VT2P,B	100
M & W SEEDS	46P76	VT2P,B	97
NK BRAND	NK0199-3122A-EZR	3122,A,B	101
NK BRAND	NK0243-3120-EZR	3120,B	102
NK BRAND	NK9852-3120-EZR	3120,B	98
PIONEER	P0157AMXT CK	AMXT,AQ,B	101
RENK	RK579DGV2P	VT2P,DG,B	98
RENK	RK587VT2P	VT2P,B	97
RENK	RK621VT2P	VT2P	102
RENK	RK626SSTX	STX	102

Company/Brand	Brand/Product	Technology	RM
RENK	RK642VT2P	VT2P,B	103
RUPP	XR D01-90	VT2P,B	101
RUPP	XR D03-07	VT2P,B	103
RUPP	XR D96-13	3220,B	96
RUPP	XR D97-95	VT2P,B	97
RUPP	XR J98-52	VT2P,B	98
SPECIALTY	27D728	VT2P,B	97
SPECIALTY	28D249	VT2P,B	98
SPECIALTY	32A886	STX,B	102

2019 Corn - Michigan South [MISO]

Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	RM
AUGUSTA	A2054 GC	3010	104
AUGUSTA	A2856 GC	3220,B	105
DAIRYLAND	DS-4318AM	AM,B	105
DAIRYLAND	DS-4329AM	AM,B	105
DAIRYLAND	DS-4440AM	AM,B	104
DAIRYLAND	DS-4580AM	AM	105
DAIRYLAND	DS-7004RA	PC,B	104
DEKALB	DKC55-53RIB GC	STX,B	105
DEKALB	DKC60-88RIB GC	VT2P,B	110
DYNA-GRO	D46VC62	VT2P	106
FS INVISION	FS 5594X RIB	STX,B	105
FS INVISION	FS 55RL1 EZR	3220,B	105
FS INVISION	FS 57ZX1 RIB	STX,B	107
GOLDEN HARVEST	G04S19-3122-EZR GC	3122,B	104
GOLDEN HARVEST	G05K08-3010A-EXR	3010,A	105
GOLDEN HARVEST	G06Q68-3220	3220,B	106
GOLDEN HARVEST	G07F23-3111	3111	107
GREAT HEART	HT-6843VT2P	VT2P,B	108
INTEGRA	5529	STX,B	105
INTEGRA	5719	VT2P,B	107
INTEGRA	CX931104	VT2P	104
LOCAL SEED CO	LC0488 SSXRIB	STX,B	104
LOCAL SEED CO	LC0657 SSXRIB	STX,B	106
M & W SEEDS	44P86	VT2P,B	105
M & W SEEDS	44R77	VT2P,B	107
NK BRAND	NK0440-3122-EZR	3122,B	104
NK BRAND	NK0472-3110	3110	104
NK BRAND	NK0624-3220-EZR	3220,B	106
PIONEER	P0157AMXT CK	AMXT,AQ,B	101
PIONEER	P0339AMXT GC	AMXT,AQ,B	103
RENK	RK710DGV2P	VT2P,DG,B	106
RENK	RK737SSTX	STX,B	106
RUPP	XR D06-53	VT2P,B	106
RUPP	XR D07-72	VT2P,B	107
SPECIALTY	34A007	STX,B	104
SPECIALTY	36A537	STX,B	106

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*

3010	Agrisure® 3010 (CB,LL,GT)	AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
3011,A	Agrisure® Artesian® (CB,RW,LL,GT)	AQ	Optimum® AQUAMax®	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
3110	Agrisure® Vipera® 3110 (Vip, CB,LL,GT)	B	Refuge blend product	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
3111	Agrisure® Vipera® 3111 (Vip,CB,RW,LL,GT)	CB	Agrisure® Corn Borer	PC	PowerCore™ (HX, VT2P)
3120	Agrisure® 3120 (CB,HX,LL,GT)	DG	Genuity® DroughtGard®	RR2	Roundup Ready® 2 Corn
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)	RW	Agrisure® Rootworm
3220	Agrisure® Vipera® 3220 (Vip,CB,HX,LL,GT)	GT	Agrisure® GT	STX	SmartStax® (VT3P,HXT,RR2,LL)
3330	Agrisure® Vipera® 3330 (Vip,CB,HX,LL,GT)	HX	Herculex® 1, contains LL	TRE	Genuity® Trecepta™
A	Agrisure® Artesian®	HXRW	Herculex® Rootworm, contains LL	VT2P	Genuity® VT Double PRO®
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	HXT	Herculex® Xtra (HX,HXRW,LL)	VT3P	Genuity® VT Triple PRO®
AMT	Optimum® AcreMax®TRIssect (HX,RW,LL,RR2)	LL	LibertyLink®	YGCB	YieldGard® Corn Borer
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	None	conventional corn		

* The refuge component genetics may vary in a refuge blend seed product.