

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

2019 Corn Grain Top 30 Harvest Report

Michigan South [MISO] RIGA, MI
Bill Bierman, Lenawee County, MI 49276

Early-Season Test 97 - 103 Day CRM
B2019MISO20a

Top 30 of 45 For Gross Income
(Sorted by Yield)
Average of (3) Replications

PREV. CROP/HERB: Wheat/Clover / none
SOIL DESCRIPTION: Wauseon/Ziegenfuss clay loam,
mod. well drained, non-irrigated
SOIL CONDITION: No-Till, very high P, medium K,
6.8 pH, 4.5% OM, 13.7 CEC
PEST MANAGEMENT: Lexar Ez, Glyphosate, Force
FERTILITY - Applied N: 5 Planter, 150 Sidedress
Applied N-P-K (units): 155-17-0
SEEDED - RATE - ROW: May 24 34.5 /A 30" spacing
HARVESTED - STAND: Oct 23 29.4 /A

TEST COMMENTS:

A nice plot on a location with high yield potential. It was planted in a brief time window in an area where planted corn acres are down substantially. Moderately late planting date and conditions at the time of planting likely capped upside potential. The growing season was favorable, with better rain distribution than any other MI location this year. Foliar disease pressure was light.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS INVISION	FS 5098X RIB	STX,B	100	236.9	21.3	1	31.3	832	2
INTEGRA	4888	STX,B	98	236.3	20.9	1	33.1	833	1
FS INVISION	FS 53ZX1 RIB	STX,B	103	233.9	22.7	1	30.4	811	3
M & W SEEDS	45T56	VT2P,B	100	229.0	21.4	1	30.4	804	4
SPECIALTY	32A886	STX,B	102	228.1	22.8	1	33.9	791	6
RENK	RK579DGV2P	VT2P,DG,B	98	227.4	20.7	1	30.4	803	5
LOCAL SEED CO	LC0297 SSX	STX	102	224.2	22.2	1	23.2	781	10
DAIRYLAND	DS-4018AM	AM,AQ,B	101	224.0	22.1	1	33.1	781	11
RUPP	XR D03-07	VT2P,B	103	223.8	22.0	1	30.4	781	12
RENK	RK587VT2P	VT2P,B	97	223.5	20.7	1	25.9	789	8
DYNA-GRO	D43VC81	VT2P	102	223.3	22.3	1	28.6	778	13
RUPP	XR D97-95	VT2P,B	97	222.4	20.0	1	26.8	790	7
LOCAL SEED CO	LC0057 SSXRIB	STX,B	100	221.2	21.1	1	23.2	778	14
RUPP	XR J98-52	VT2P,B	98	220.7	20.2	1	30.4	782	9
RENK	RK642VT2P	VT2P,B	103	219.8	22.6	1	26.8	763	17
INTEGRA	4782	VT2P,B	97	219.2	20.1	1	23.2	778	15
DAIRYLAND	DS-4310AM	AM	103	217.8	23.5	1	26.8	750	23
INTEGRA	5280	STX,B	102	216.8	22.5	1	22.3	753	20
SPECIALTY	27D728	VT2P,B	97	216.7	20.5	1	33.9	766	16
AUGUSTA	A3052	3110	102	216.0	22.3	1	32.2	752	22
M & W SEEDS	46P76	VT2P,B	97	213.5	19.8	1	30.4	759	18
RUPP	XR D96-13	3220,B	96	212.7	19.5	1	28.6	758	19
SPECIALTY	28D249	VT2P,B	98	212.7	20.7	1	31.3	750	24
GREAT HEART	HT-5831VIP3220EZ	3220,B	98	210.2	20.0	1	27.7	746	25
NK BRAND	NK0243-3120-EZR	3120,B	102	210.1	22.8	1	24.1	728	30
GOLDEN HARVEST	G97N86-3220-EZR	3220,B	97	209.7	20.1	1	30.4	744	26
DAIRYLAND	DS-4019AM	AM,B	99	209.5	21.6	1	32.2	734	27
NK BRAND	NK0199-3122A-EZR	3122,A,B	101	208.7	21.9	1	25.0	729	29
M & W SEEDS	45R69	VT2P,B	103	208.7	22.2	1	30.4	727	31
DAIRYLAND	DS-3715AM	AM,B	98	207.2	20.2	1	32.2	734	28
PIONEER	P0157AMXT CK	AMXT,AQ,B	101	214.9	21.5	1	25.9	753	21
				Averages =	213.9	21.4	1	29.4	750
				LSD (0.10) =	8.3	0.7	0		
				LSD (0.25) =	4.3	0.4	0		
				C.V. =	3.7				

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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

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2019 Corn Grain Top 30 Harvest Report

Michigan South [MISO] RIGA, MI
Bill Bierman, Lenawee County, MI 49276

Full-Season Test	104 - 107 Day CRM B2019MISO20b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Wheat/Clover / none
SOIL DESCRIPTION:	Wauseon/Ziegenfuss clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, medium K, 6.8 pH, 4.5% OM, 13.7 CEC
PEST MANAGEMENT:	Lexar Ez, Glyphosate, Force
FERTILITY - Applied N:	5 Planter, 150 Sidedress
Applied N-P-K (units):	155-17-0
SEEDED - RATE - ROW:	May 24 34.5 /A 30" spacing
HARVESTED - STAND:	Oct 23 31.4 /A

TEST COMMENTS:

A nice plot on a location with high yield potential. It was planted in a brief time window in an area where planted corn acres are down substantially. Moderately late planting date and conditions at the time of planting likely capped upside potential. The growing season was favorable, with better rain distribution than any other MI location this year. Foliar disease pressure was light.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
INTEGRA	CX931104	VT2P	104	231.9	23.2	1	33.9	801	1
M & W SEEDS	44P86	VT2P,B	105	229.0	24.1	1	32.2	785	4
DEKALB	DKC55-53RIB GC	STX,B	105	227.2	24.4	1	30.4	777	5
RUPP	XR D06-53	VT2P,B	106	227.1	22.9	1	32.2	786	2
DAIRYLAND	DS-4440AM	AM,B	104	226.4	22.6	1	31.3	786	3
PIONEER	P0339AMXT GC	AMXT,AQ,B	103	224.0	23.1	1	28.6	775	6
DAIRYLAND	DS-4580AM	AM	105	223.3	23.7	1	33.1	768	7
M & W SEEDS	44R77	VT2P,B	107	220.9	25.0	1	32.2	751	10
AUGUSTA	A2054 GC	3010	104	220.6	23.8	1	31.3	758	8
INTEGRA	5529	STX,B	105	218.9	23.6	1	32.1	754	9
<i>GREAT HEART</i>	<i>HT-6843VT2P</i>	<i>VT2P,B</i>	<i>108</i>	<i>218.3</i>	<i>26.1</i>	<i>1</i>	<i>31.3</i>	<i>735</i>	<i>16</i>
DAIRYLAND	DS-4318AM	AM,B	105	217.7	24.0	1	28.6	747	13
LOCAL SEED CO	LC0657 SSSXRIB	STX,B	106	216.1	22.6	1	32.2	750	11
SPECIALTY	34A007	STX,B	104	215.9	22.8	1	33.9	749	12
GOLDEN HARVEST	G05K08-3010A-EXR	3010,A	105	214.8	23.8	1	33.9	738	15
NK BRAND	NK0440-3122-EZR	3122,B	104	213.1	24.3	1	33.1	729	17
INTEGRA	5719	VT2P,B	107	209.0	25.3	1	30.4	709	19
FS INVISON	FS 57ZX1 RIB	STX,B	107	208.4	25.0	1	27.7	708	20
DAIRYLAND	DS-4329AM	AM,B	105	207.6	24.3	1	27.7	710	18
GOLDEN HARVEST	G07F23-3111	3111	107	206.5	24.2	1	28.6	707	22
DYNA-GRO	D46VC62	VT2P	106	205.4	24.6	1	33.1	701	23
RUPP	XR D07-72	VT2P,B	107	204.2	25.2	1	30.4	693	26
GOLDEN HARVEST	G04S19-3122-EZR GC	3122,B	104	203.4	22.3	1	32.2	708	21
RENK	RK710DGV2P	VT2P,DG,B	106	202.2	23.5	1	28.6	697	24
SPECIALTY	36A537	STX,B	106	201.9	24.3	1	29.5	690	28
NK BRAND	NK0624-3220-EZR	3220,B	106	200.8	23.0	1	33.1	695	25
RENK	RK737SSTX	STX,B	106	200.0	23.4	1	34.8	690	29
DAIRYLAND	DS-7004RA	PC,B	104	199.8	23.1	1	33.9	691	27
NK BRAND	NK0472-3110	3110	104	197.1	23.1	1	29.5	681	30
FS INVISON	FS 5594X RIB	STX,B	105	197.0	23.1	1	33.9	681	31
PIONEER	P0157AMXT CK	AMXT,AQ,B	101	212.6	22.3	1	32.2	740	14
				Averages =	210.2	23.8	1	31.4	722
				LSD (0.10) =	9.1	1.1	0		
				LSD (0.25) =	4.8	0.6	0		
				C.V. =	4.1				

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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: 10/24/2019

† 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 SXRIB	STX,B	104
LOCAL SEED CO	LC0657 SXRIB	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® Viptera® 3110 (Vip, CB,LL,GT)	B	Refuge blend product	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
3111	Agrisure® Viptera® 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® Viptera® 3220 (Vip,CB,HX,LL,GT)	GT	Agrisure® GT	STX	SmartStax® (VT3P,HXT,RR2,LL)
3330	Agrisure® Viptera® 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.