

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

2019 Corn Grain Top 30 Harvest Report

Michigan South [MISO] MASON, MI
Tony Igl, Ingham County, MI 48845

Early-Season Test 97 - 103 Day CRM
B2019MISO23a

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

PREV. CROP/HERB: Soybean / Liberty
SOIL DESCRIPTION: Conover/Aubbeenaubbee loam,
mod. well drained, non-irrigated
SOIL CONDITION: No-Till, very high P, very high K,
6.0 pH, 2.8% OM, 8.6 CEC
PEST MANAGEMENT: Armezon Pro, Atrazine,
Glyphosate, Force
FERTILITY - Applied N: 5 Planter, 180 Sidedress
Applied N-P-K (units): 185-17-120
SEEDED - RATE - ROW: Jun 8 34.5 /A 30" spacing
HARVESTED - STAND: Nov 25 27.1 /A

TEST COMMENTS:

Good soils and management produced pretty good yield on a very late planted plot. Later maturity hybrids probably lacked enough GDDs to reach full potential. Rainfall was limited in July and August but a few timely showers were beneficial. Corn stood well, probably in part due to lack of height. Plant health was good with some Northern Leaf Blight and Anthracnose present.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
M & W SEEDS	46P76	VT2P,B	97	154.8	27.3	1	32.2	516	1
SPECIALTY	27D728	VT2P,B	97	154.5	27.7	1	31.3	513	2
RUPP	XR D97-95	VT2P,B	97	154.3	27.7	1	30.4	512	3
RUPP	XR D03-07	VT2P,B	103	151.9	31.7	1	27.7	486	8
FS INVISION	FS 47TV1 RIB	VT2P,B	97	151.1	27.5	1	30.3	502	4
SPECIALTY	28D249	VT2P,B	98	148.1	27.8	1	31.3	491	5
DAIRYLAND	DS-3750AM	AM	97	147.7	27.7	1	25.9	490	6
RENK	RK579DGV2P	VT2P,DG,B	98	147.3	28.5	1	28.6	485	9
RUPP	XR J98-52	VT2P,B	98	146.2	27.9	1	25.9	485	10
RUPP	XR D96-13	3220,B	96	145.3	26.3	1	26.8	488	7
GREAT HEART	HT-5831VIP3220EZ	3220,B	98	144.8	28.2	1	28.6	479	11
LOCAL SEED CO	LC9888 VT2PRIB	VT2P,B	98	144.2	27.8	1	24.1	478	12
DAIRYLAND	DS-4019AM	AM,B	99	143.9	29.3	1	25.9	471	13
RENK	RK642VT2P	VT2P,B	103	143.6	32.0	1	27.7	458	18
INTEGRA	5081	VT2P,DG,B	100	142.9	30.4	1	30.4	463	16
M & W SEEDS	45T56	VT2P,B	100	142.5	30.5	1	28.6	461	17
RUPP	XR D01-90	VT2P,B	101	141.6	31.0	1	23.2	456	19
INTEGRA	4888	STX,B	98	140.7	28.4	1	25.0	464	14
LOCAL SEED CO	LC0297 SSX	STX	102	140.5	32.0	1	26.8	448	24
FS INVISION	FS 53ZX1 RIB	STX,B	103	140.1	32.0	1	32.2	447	26
RENK	RK587VT2P	VT2P,B	97	139.8	27.7	1	22.3	464	15
FS INVISION	FS 51QX1 RIB	STX,B	101	139.3	31.0	1	28.6	448	25
DYNA-GRO	D43VC81	VT2P	102	138.3	32.0	1	25.0	441	30
DAIRYLAND	DS-3715AM	AM,B	98	137.9	28.6	1	27.7	454	21
NK BRAND	NK9852-3120-EZR	3120,B	98	137.7	28.1	1	21.5	455	20
INTEGRA	4782	VT2P,B	97	137.1	27.9	1	28.6	454	22
GOLDEN HARVEST	G00H12-3010	3010	100	136.7	30.4	1	25.0	443	29
FS INVISION	FS 5098X RIB	STX,B	100	136.5	29.9	1	24.1	444	28
M & W SEEDS	45R69	VT2P,B	103	136.2	32.0	1	31.3	434	31
LOCAL SEED CO	ZS9796 3220EZ	3220	97	135.5	27.6	1	27.7	450	23
PIONEER	P0157AMXT CK	AMXT,AQ,B	101	139.1	31.1	1	23.2	447	27

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Averages = **139.4** **29.9** **1** **27.1** **454**
LSD (0.10) = 9.3 0.4 ns
LSD (0.25) = 4.9 0.2 ns
C.V. = 6.4

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] MASON, MI
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Full-Season Test	104 - 107 Day CRM B2019MISO23b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Liberty
SOIL DESCRIPTION:	Conover/Aubbeenaubbee loam, mod. well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, very high K, 6.0 pH, 2.8% OM, 8.6 CEC
PEST MANAGEMENT:	Armezon Pro, Atrazine, Glyphosate, Force
FERTILITY - Applied N:	5 Planter, 180 Sidedress
Applied N-P-K (units):	185-17-120
SEEDED - RATE - ROW:	Jun 8 34.5 /A 30" spacing
HARVESTED - STAND:	Nov 25 28.4 /A

TEST COMMENTS:

Good soils and management produced pretty good yield on a very late planted plot. Later maturity hybrids probably lacked enough GDDs to reach full potential. Rainfall was limited in July and August but a few timely showers were beneficial. Corn stood well, probably in part due to lack of height. Plant health was good with some Northern Leaf Blight and Anthracnose present.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
INTEGRA	CX931104	VT2P	104	154.1	31.5	1	28.6	494	1
M & W SEEDS	44P86	VT2P,B	105	151.5	32.6	1	25.0	481	3
DAIRYLAND	DS-7004RA	PC,B	104	151.2	32.0	1	30.4	482	2
FS INVISON	FS 57ZX1 RIB	STX,B	107	148.8	34.0	1	31.3	466	5
DAIRYLAND	DS-4440AM	AM,B	104	144.8	31.9	1	31.3	462	6
RUPP	XR D07-72	VT2P,B	107	142.8	33.5	1	33.0	449	10
RUPP	XR D06-53	VT2P,B	106	142.8	33.4	1	25.9	449	11
LOCAL SEED CO	LC0488 SXXRIB	STX,B	104	142.5	32.0	1	31.3	454	7
DAIRYLAND	DS-4318AM	AM,B	105	142.2	32.9	1	29.5	450	9
RENK	RK737SSTX	STX,B	106	142.1	33.5	1	25.9	447	14
SPECIALTY	36A537	STX,B	106	142.0	32.0	1	31.3	453	8
AUGUSTA	A2856 GC	3220,B	105	141.7	33.0	1	28.6	448	12
LOCAL SEED CO	LC0657 SXXRIB	STX,B	106	141.0	33.4	1	30.4	444	15
NK BRAND	NK0440-3122-EZR	3122,B	104	140.2	31.9	1	28.6	448	13
GREAT HEART	HT-6843VT2P	VT2P,B	108	139.6	33.5	1	27.7	439	17
DAIRYLAND	DS-4580AM	AM	105	138.6	32.6	1	25.0	440	16
M & W SEEDS	44R77	VT2P,B	107	137.5	33.0	1	27.7	435	19
GOLDEN HARVEST	G06Q68-3220	3220,B	106	136.9	33.1	1	25.0	432	21
DEKALB	<i>DKC60-88RIB GC</i>	<i>VT2P,B</i>	110	136.5	34.8	1	30.4	424	24
PIONEER	P0339AMXT GC	AMXT,AQ,B	103	136.3	31.4	1	25.9	437	18
AUGUSTA	A2054 GC	3010	104	135.2	31.7	1	25.9	433	20
GOLDEN HARVEST	G05K08-3010A-EXR	3010,A	105	134.7	33.0	1	29.5	426	23
DYNA-GRO	D46VC62	VT2P	106	134.0	33.1	1	25.9	423	25
GOLDEN HARVEST	G04S19-3122-EZR GC	3122,B	104	133.7	31.5	1	30.4	429	22
INTEGRA	5529	STX,B	105	133.0	32.3	1	28.6	423	26
NK BRAND	NK0472-3110	3110	104	131.7	32.0	1	31.3	420	27
DEKALB	DKC55-53RIB GC	STX,B	105	130.8	32.8	1	28.6	414	28
FS INVISON	FS 55RL1 EZR	3220,B	105	130.4	33.0	1	27.7	412	30
SPECIALTY	34A007	STX,B	104	129.5	32.0	1	30.4	413	29
FS INVISON	FS 5594X RIB	STX,B	105	128.7	32.9	1	29.5	407	31
PIONEER	P0157AMXT CK	AMXT,AQ,B	101	146.9	30.8	1	25.9	474	4
				Averages =	137.4	32.8	1	28.4	435
				LSD (0.10) =	8.2	0.7	ns		
				LSD (0.25) =	4.3	0.4	ns		
				C.V. =	5.6				

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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

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 SXXRIB	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® TRIsect (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.