

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

2019 Corn Grain Top 30 Harvest Report

Michigan South [MISO] CHARLOTTE, MI
Jim & Dennis Orr, Eaton County, MI 48813

Early-Season Test	97 - 103 Day CRM B2019MISO24a
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Liberty
SOIL DESCRIPTION:	Marlette/Capac loam, mod. well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, very high K, 6.4 pH, 2.8% OM, 9.7 CEC
PEST MANAGEMENT:	Degree Xtra, Atrazine, Roundup, Force
FERTILITY - Applied N:	125.0 Fall, 45 Sidedress
Applied N-P-K (units):	170-120-80
SEEDED - RATE - ROW:	Jun 8 34.5 /A 30" spacing
HARVESTED - STAND:	Nov 10 31.3 /A

TEST COMMENTS:

A June planting date, very little rain in July and August and low accumulation of heat units combined to severely limit the potential of this plot. The corn was standing well despite a late harvest. Later maturity hybrids were probably 100-200 GDU's short of maturity. Foliar disease pressure was light with some anthracnose observed.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
RENK	RK626SSTX	STX	102	149.1	31.9	1	33.0	476	2
RUPP	XR D96-13	3220,B	96	144.7	26.6	1	32.2	485	1
SPECIALTY	27D728	VT2P,B	97	143.0	27.3	1	32.2	476	3
SPECIALTY	32A886	STX,B	102	142.9	31.7	1	32.1	457	9
M & W SEEDS	45T56	VT2P,B	100	142.0	29.9	1	30.4	462	6
FS INVISION	FS 47TV1 RIB	VT2P,B	97	141.4	27.9	1	31.3	468	4
RUPP	XR D97-95	VT2P,B	97	141.0	28.0	1	30.4	467	5
RENK	RK579DGV2P	VT2P,DG,B	98	139.7	28.6	1	32.2	460	8
RUPP	XR J98-52	VT2P,B	98	138.4	28.3	1	31.3	457	10
AUGUSTA	A2448	3220,B	97	138.3	27.1	1	32.2	462	7
NK BRAND	NK0243-3120-EZR	3120,B	102	137.4	31.6	1	33.1	440	13
RUPP	XR D01-90	VT2P,B	101	136.9	31.2	1	32.2	440	14
GOLDEN HARVEST	G97N86-3220-EZR	3220,B	97	136.2	26.8	1	30.4	456	11
INTEGRA	4888	STX,B	98	135.7	28.2	1	32.2	448	12
FS INVISION	FS 51QX1 RIB	STX,B	101	135.1	31.0	1	31.3	435	18
INTEGRA	5081	VT2P,DG,B	100	134.4	29.9	1	31.3	437	15
LOCAL SEED CO	LC0297 SSX	STX	102	134.1	32.4	1	28.6	426	22
INTEGRA	5280	STX,B	102	133.3	31.9	1	27.7	426	23
RENK	RK621VT2P	VT2P	102	133.2	32.5	1	31.3	423	24
GOLDEN HARVEST	G03R40-3110	3110	103	132.6	33.1	1	33.1	419	25
INTEGRA	4782	VT2P,B	97	131.3	27.7	1	29.5	436	16
M & W SEEDS	46P76	VT2P,B	97	130.9	27.4	1	31.3	436	17
GREAT HEART	HT-5831VIP3220EZ	3220,B	98	130.9	28.0	1	29.5	433	19
RUPP	XR D03-07	VT2P,B	103	130.7	33.1	1	32.2	413	30
RENK	RK587VT2P	VT2P,B	97	129.9	27.7	1	28.6	431	20
LOCAL SEED CO	LC9888 VT2PRIB	VT2P,B	98	129.7	28.3	1	30.4	428	21
GOLDEN HARVEST	G00H12-3010	3010	100	128.3	29.6	1	33.9	419	26
FS INVISION	FS 5098X RIB	STX,B	100	128.1	30.2	1	30.4	415	29
DAIRYLAND	DS-3715AM	AM,B	98	126.2	28.0	1	33.0	418	27
SPECIALTY	28D249	VT2P,B	98	126.2	28.3	1	32.2	417	28
PIONEER	P0157AMXT CK	AMXT,AQ,B	101	119.9	31.6	1	27.7	384	43
				Averages =	131.3	29.9	1	31.3	427
				LSD (0.10) =	7.7	0.7	ns		
				LSD (0.25) =	4.0	0.4	ns		
				C.V. =	5.5				

Jason T. Beyers

Jason Beyers
beyers@frontiernet.net, (815) 493-9005

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] CHARLOTTE, MI
Jim & Dennis Orr, Eaton County, MI 48813

Full-Season Test	104 - 107 Day CRM B2019MISO24b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Liberty
SOIL DESCRIPTION:	Marlette/Capac loam, mod. well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, very high K, 6.4 pH, 2.8% OM, 9.7 CEC
PEST MANAGEMENT:	Degree Xtra, Atrazine, Roundup, Force
FERTILITY - Applied N:	125.0 Fall, 45 Sidedress
Applied N-P-K (units):	170-120-80
SEEDED - RATE - ROW:	Jun 8 34.5 /A 30" spacing
HARVESTED - STAND:	Nov 10 29.6 /A

TEST COMMENTS:

A June planting date, very little rain in July and August and low accumulation of heat units combined to severely limit the potential of this plot. The corn was standing well despite a late harvest. Later maturity hybrids were probably 100-200 GDU's short of maturity. Foliar disease pressure was light with some anthracnose observed.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
RUPP	XR D07-72	VT2P,B	107	131.5	33.3	1	25.9	414	1
NK BRAND	NK0440-3122-EZR	3122,B	104	129.7	33.5	1	30.4	408	3
DAIRYLAND	DS-4440AM	AM,B	104	129.4	32.2	1	31.3	412	2
INTEGRA	CX931104	VT2P	104	121.7	32.7	1	28.6	386	5
GOLDEN HARVEST	G06Q68-3220	3220,B	106	121.0	34.1	1	21.4	378	7
INTEGRA	5719	VT2P,B	107	120.2	33.2	1	31.3	379	6
INTEGRA	5529	STX,B	105	120.0	33.3	1	32.2	378	8
SPECIALTY	36A537	STX,B	106	119.3	34.0	1	33.0	373	12
FS INVISION	FS 5594X RIB	STX,B	105	118.9	33.4	1	32.2	374	11
DAIRYLAND	DS-7004RA	PC,B	104	118.2	33.1	1	29.5	373	13
PIONEER	P0339AMXT GC	AMXT,AQ,B	103	117.8	31.3	1	27.7	378	9
GOLDEN HARVEST	G04S19-3122-EZR GC	3122,B	104	117.8	32.1	1	32.2	375	10
FS INVISION	FS 55RL1 EZR	3220,B	105	117.6	33.5	1	32.2	370	14
M & W SEEDS	44R77	VT2P,B	107	115.6	33.5	1	28.6	364	15
FS INVISION	FS 57ZX1 RIB	STX,B	107	115.4	34.3	1	29.5	360	18
GOLDEN HARVEST	G07F23-3111	3111	107	115.3	34.1	1	32.2	360	19
LOCAL SEED CO	LC0488 SSSXRIB	STX,B	104	115.0	33.4	1	28.6	362	17
NK BRAND	NK0472-3110	3110	104	114.6	32.5	1	30.4	364	16
DAIRYLAND	DS-4580AM	AM	105	114.2	33.1	1	28.6	360	20
DYNA-GRO	D46VC62	VT2P	106	114.0	34.1	1	31.3	356	23
DAIRYLAND	DS-4329AM	AM,B	105	113.8	33.5	1	27.7	358	21
AUGUSTA	A2054 GC	3010	104	112.8	34.1	1	24.1	353	24
SPECIALTY	34A007	STX,B	104	112.0	32.0	1	30.4	357	22
RUPP	XR D06-53	VT2P,B	106	111.9	33.5	1	30.4	352	25
DAIRYLAND	DS-4318AM	AM,B	105	111.2	33.2	1	33.1	351	26
GOLDEN HARVEST	G05K08-3010A-EXR	3010,A	105	109.9	33.6	1	29.5	345	27
DEKALB	DKC60-88RIB GC	VT2P,B	110	109.8	33.5	1	30.4	345	28
NK BRAND	NK0624-3220-EZR	3220,B	106	109.8	34.2	1	31.3	343	31
RENK	RK710DGVT2P	VT2P,DG,B	106	109.2	33.3	1	32.2	344	29
DEKALB	DKC55-53RIB GC	STX,B	105	109.2	33.3	1	27.7	344	30
PIONEER	P0157AMXT CK	AMXT,AQ,B	101	122.0	30.1	1	22.3	396	4

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Averages =	115.4	33.3	1	29.6	364
LSD (0.10) =	9.3	0.5	ns		
LSD (0.25) =	4.9	0.3	ns		
C.V. =	7.7				

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

Report Date: 11/11/2019

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 - 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® 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.