

2018 Corn Grain Top 30 Harvest Report

Michigan South [MISO] MARSHALL

Double Eagle Farms, Jeff & Greg Fountain, Calhoun County, MI 49068



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

PREV. CROP/HERB: Soybean / glyphosate
 SOIL DESCRIPTION: Dowagiac-Kalamazoo loam, moderately drained, non-irrigated
 SOIL CONDITION: Minimum w/ fall till, very high P, very high K, 5 pH, 2.9% OM, 10.9 CEC
 PEST MANAGEMENT: Sharpen, Roundup PowerMax, Parallel, Force
 FERTILITY - Applied N: 135 Spring, 10 Planter
 Applied N-P-K (units): 145-64-120
 SEEDING - RATE - ROW: May 2 34,500 /A 30" spacing
 HARVESTED - STAND: Oct 10 30,500 /A

Early-Season Test

96 - 101 Day CRM

B2018MISO22a

Top 30 of 36

For Gross Income (Sorted by Yield)

Average of (3) Replications

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	177.4	18.8	1	29.5	645	1
FS InVISION	FS 51QX1 RIB	STX,B	101	171.0	20.9	1	30.4	611	4
Pioneer	P9998AMXT GC	AMXT,AQ,B	99	170.7	20.2	1	30.4	613	2
Dairyland	RPM-4018AM	AM,AQ,B	101	169.0	21.6	1	29.5	600	11
Specialty	26A236	STX,B	96	168.7	19.0	1	32.2	612	3
M & W Seeds	46L43	VT2P,B	96	168.4	19.2	1	36.6	610	5
Dekalb	DKC51-38RIB GC	STX,B	101	167.5	20.0	1	30.4	603	7
Rupp	xrD97-95	VT2P,B	97	167.1	19.1	1	30.4	606	6
LG Seeds	LG5465VT2RIB	VT2P,B	97	166.4	19.2	1	31.3	603	8
Golden Harvest	G96V99-3120-EZR	3120,B	96	166.1	18.9	1	35.7	603	9
Seed Consultants	SCS 989YHR	OI	98	165.6	20.3	1	23.2	595	14
Pioneer	P9621AMXT GC	AMXT,B	96	165.3	18.4	1	31.3	603	10
NK Brand	NK9659-3120-EZR	3120,B	96	164.1	18.9	1	32.2	596	13
Seed Consultants	SCS 1018YHR	OI,AQ	101	163.9	21.3	1	35.7	584	21
LG Seeds	LG5505VT2RIB	VT2P,B	101	163.5	20.0	1	34.8	589	16
Golden Harvest	G00H12-3010	3010	100	163.4	20.8	1	32.2	584	22
Dyna-Gro	D39DC43	VT2P,DG	99	163.2	19.5	1	30.4	590	15
Dairyland	DS-9599	3000GT	99	162.6	20.0	1	25.9	585	19
Specialty	27D728	VT2P,B	97	162.5	19.9	1	28.6	585	20
NuTech/G2 Gen	5FN-2596	OI	96	161.6	19.1	1	25.9	586	17
NK Brand	NK0199-3122A-EZR	3122,A,B	101	161.5	20.9	1	30.4	577	24
Dairyland	DS-7101	PC	101	161.4	21.2	1	34.0	575	25
FS InVISION	FS 47TV1 RIB	VT2P,B	97	160.8	18.6	1	26.8	586	18
NuTech/G2 Gen	5F-701	AM,AQ,B	101	160.2	20.3	1	34.0	575	26
Seed Consultants	SC 938AGV	3110,A	93	158.1	18.0	1	26.8	579	23
FS InVISION	FS 46RL0 EZR	3120,B	96	157.8	18.8	1	30.4	574	27
Dairyland	RPM-3715AM	AM,B	96	156.6	19.3	1	34.0	567	29
Rupp	xrT94-06	VT3P,B	94	156.2	18.4	1	31.3	570	28
Renk	RK579DGV2P	VT2P,DG	98	156.1	19.1	1	29.5	566	30
Golden Harvest	G97N86-3110	3110	97	155.2	18.7	1	26.8	565	31
Pioneer	P0157AMXT CK	AMXT,AQ,B	101	167.9	21.0	1	29.5	599	12

Jason Beyers

beyers@frontiernet.net, (815) 985-7369

Averages = **162.4** **19.6** **1** **30.5** **586**

LSD (0.10) = 11.7 0.8 ns

LSD (0.25) = 6.1 0.4 ns

C.V. = 6.8 Prev. years average yield, 163.2 bu/a, 13 yrs

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.030 Prices: GMO = \$3.75; non-GMO = \$3.75

Test Comments: *This no-till plot was planted at a favorable date and emerged to face several weeks of very wet conditions. These conditions were followed by 6+ weeks of warm and very dry conditions. Light showers caught the end of the pollination period, favoring fuller season hybrids. Rain was abundant during grain fill. The stress during vegetative growth appeared to limit ear girth and plant height.*

† 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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Report Date: 10/11/2018 Revised:

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 SOIL CONDITION: Minimum w/ fall till, very high P, very high K, 5 pH, 2.9% OM, 10.9 CEC
 PEST MANAGEMENT: Sharpen, Roundup PowerMax, Parallel, Force
 FERTILITY - Applied N: 135 Spring, 10 Planter
 Applied N-P-K (units): 145-64-120
 SEEDING - RATE - ROW: May 2 34,500 /A 30" spacing
 HARVESTED - STAND: Oct 10 31,400 /A

Full-Season Test

102 - 105 Day CRM

B2018MISO22b

Top 30 of 36

For Gross Income (Sorted by Yield)

Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS InVISION	FS 55TX1 RIB	STX,B	105	184.3	21.7	1	36.6	654	1
FS InVISION	FS 55RL1 EZR	3220,B	105	183.2	22.1	1	30.4	648	2
Pioneer	P0339AMT GC	AMT,AQ,B	103	180.6	22.8	1	30.4	635	4
Dairyland	RPM-4317AM	AM,B	103	179.8	21.2	1	31.3	641	3
LG Seeds	LG5525VT2RIB	VT2P,B	105	178.7	23.2	1	32.2	626	8
M & W Seeds	44R35	VT2P,B	105	178.1	23.4	1	28.6	623	10
Rupp	xrD06-70	VT2P,B	106	177.4	23.4	1	35.7	621	12
Golden Harvest	G03C84-3120-EZR	3120,B	103	176.8	21.1	1	34.0	631	5
Dyna-Gro	D44VC40	VT2P	104	176.7	21.5	1	30.4	628	6
M & W Seeds	44P86	VT2P,B	105	176.6	22.1	1	31.3	625	9
NuTech/G2 Gen	E5FN-A604	OI	104	175.8	23.8	1	31.3	613	18
Great Heart	HT-6238DGV2PRIB GC	VT2P,DG,B	102	175.7	20.8	1	29.5	628	7
LG Seeds	LG5499VT2RIB	VT2P,B	102	174.6	21.6	1	31.3	620	14
Dyna-Gro	D43SS81	STX	103	174.5	21.7	1	31.3	619	15
Renk	RK642SSTX	STX,B	103	174.3	21.3	1	29.5	621	13
FS InVISION	FS 53ZX1 RIB	STX,B	103	174.2	21.7	1	34.0	618	16
NK Brand	NK0330-3120-EZR	3120,B	103	174.1	21.0	1	30.4	622	11
Great Heart	HT-6524SSRIB GC	STX,B	105	174.0	23.0	1	31.3	611	21
Seed Consultants	SCS 10HR43	HX,RR2	104	173.9	22.5	1	31.3	613	19
Seed Consultants	SCS 1037YHR	OI	103	173.0	22.0	1	26.8	612	20
Dairyland	DS-9804RA	STX,B	103	172.8	21.6	1	34.0	614	17
Dairyland	DS-7603PE	PC,E	103	172.8	22.7	1	30.4	608	24
Renk	RK717SSTX	STX,B	105	172.0	22.3	1	33.1	607	25
Rupp	xrD03-07	VT2P,B	103	171.9	21.8	1	29.5	610	23
Seed Consultants	SC 10AGT59	3010	105	171.5	23.2	1	31.3	601	27
M & W Seeds	45M44	VT2P,B	103	171.3	21.9	1	30.4	607	26
NuTech/G2 Gen	5FN-2204	OI	104	171.1	23.0	1	31.3	601	28
FS InVISION	FS 52RL0 EZR	3120,B	102	170.8	20.7	1	29.5	611	22
Specialty	32A886	STX,B	102	169.2	21.6	1	33.1	601	29
NK Brand	NK0440-3010	3010	104	168.9	22.0	1	32.2	598	30
Pioneer	P0157AMXT CK	AMXT,AQ,B	101	166.5	20.8	1	34.0	595	32

Jason Beyers

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Averages = **173.4** **22.1** **1** **31.4** **614**

LSD (0.10) = 8.2 0.9 ns

LSD (0.25) = 4.3 0.4 ns

C.V. = 4.5 Prev. years average yield, 163.2 bu/a, 13 yrs

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.030 Prices: GMO = \$3.75; non-GMO = \$3.75

Test Comments: This no-till plot was planted at a favorable date and emerged to face several weeks of very wet conditions. These conditions were followed by 6+ weeks of warm and very dry conditions. Light showers caught the end of the pollination period, favoring fuller season hybrids. Rain was abundant during grain fill. The stress during vegetative growth appeared to limit ear girth and plant height.

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Early-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Dairyland	DS-7101	PC	CM,C5,Vi,In	101					
Dairyland	DS-9599	3000GT	CM,C5,Vi,In	99					
Dairyland	RPM-3715AM	AM,B	MQ,P5V,R	96					
Dairyland	RPM-4018AM	AM,AQ,B	MQ,P5V,R	101					
Dekalb	DKC51-38RIB GC	STX,B	AC,P5V	101					
Dyna-Gro	D39DC43	VT2P,DG	AC,P5V	99					
FS InVISION	FS 46RL0 EZR	3120,B	CM,C2	96					
FS InVISION	FS 47TV1 RIB	VT2P,B	AC,P2	97					
FS InVISION	FS 51QX1 RIB	STX,B	AC,P5V	101					
Golden Harvest	G00H12-3010	3010	AVC,C2,Vi	100					
Golden Harvest	G96V99-3120-EZR	3120,B	AVC,C2,Vi	96					
Golden Harvest	G97N86-3110	3110	AVC,C2,Vi	97					
Great Heart	HT-5509VT2PRIB GC	VT2P,B	AC,P5V	95					
LG Seeds	LG5465VT2RIB	VT2P,B	AC,P5V	97					
LG Seeds	LG5494VT2RIB	VT2P,B	AC,P5V	99					
LG Seeds	LG5505VT2RIB	VT2P,B	AC,P5V	101					
M & W Seeds	46L43	VT2P,B	AC,P2	96					
M & W Seeds	46P76	VT2P,B	AC,P2	97					
NK Brand	NK0199-3122A-EZR	3122,A,B	AVC,C2,Vi	101					
NK Brand	NK9505-3110	3110	AVC,C2,Vi	95					
NK Brand	NK9659-3120-EZR	3120,B	AVC,C2,Vi	96					
NuTech/G2 Gen	5F-701	AM,AQ,B	MQ,P5V,R	101					
NuTech/G2 Gen	5FN-2596	OI	MQ,P5V,R	96					
Pioneer	P0157AMXT CK	AMXT,AQ,B	MQ,P1V,R	101					
Pioneer	P9621AMXT GC	AMXT,B	MQ,P1V,R	96					
Pioneer	P9998AMXT GC	AMXT,AQ,B	MQ,C5,R	99					
Renk	8-593SSTX	STX	AC,P5V	99					
Renk	RK579DGV2P	VT2P,DG	AC,P2	98					
Renk	RK587VT2P	VT2P,B	AC,P2	97					
Rupp	xrD97-95	VT2P,B	AC,P2	97					
Rupp	xrT94-06	VT3P,B	AC,P2	94					
Seed Consultants	SC 938AGV	3110,A	CM,C2,R,Lu,l	93					
Seed Consultants	SCS 1018YHR	OI,AQ	MQ,P1V,R	101					
Seed Consultants	SCS 989YHR	OI	MQ,P5V,R	98					
Specialty	26A236	STX,B	AC,P5V	96					
Specialty	27D728	VT2P,B	AC,P2	97					

2018 Corn Grain - Michigan South [MISO]



Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Dairyland	DS-7603PE	PC,E	CM,C5,Vi,In	103					
Dairyland	DS-9804RA	STX,B	CM,C5,Vi,In	103					
Dairyland	RPM-4317AM	AM,B	MQ,P5V,R	103					
Dairyland	RPM-4318AM	AM,B	MQ,P5V,R	104					
Dyna-Gro	D43SS81	STX	AC,P5V	103					
Dyna-Gro	D44VC40	VT2P	AC,P5V	104					
FS InVISION	FS 52RL0 EZR	3120,B	CM,C2,Vi	102					
FS InVISION	FS 53ZX1 RIB	STX,B	AC,P5V	103					
FS InVISION	FS 55RL1 EZR	3220,B	CM,C2,Vi	105					
FS InVISION	FS 55TX1 RIB	STX,B	AC,P5V	105					
Golden Harvest	G03C84-3120-EZR	3120,B	AVC,C2,Vi	103					
Golden Harvest	G04S19-3010	3010	AVC,C2,Vi	104					
Great Heart	HT-6238DGV2PRIB GC	VT2P,DG,B	AC,P5V	102					
Great Heart	HT-6524SSRIB GC	STX,B	AC,P5V	105					
LG Seeds	LG5499VT2RIB	VT2P,B	AC,P5V	102					
LG Seeds	LG5525VT2RIB	VT2P,B	AC,P5V	105					
M & W Seeds	44P86	VT2P,B	AC,P2	105					
M & W Seeds	44R35	VT2P,B	AC,P2	105					
M & W Seeds	45M44	VT2P,B	AC,P2	103					
M & W Seeds	45R69	VT2P,B	AC,P2	103					
NK Brand	NK0330-3120-EZR	3120,B	AVC,C2,Vi	103					
NK Brand	NK0440-3010	3010	AVC,C2,Vi	104					
NuTech/G2 Gen	5FN-2204	OI	MQ,P5V,R	104					
NuTech/G2 Gen	E5FN-A604	OI	MQ,P1V,R	104					
Pioneer	P0157AMXT CK	AMXT,AQ,B	MQ,P1V,R	101					
Pioneer	P0339AMT GC	AMT,AQ,B	MQ,P1V,R	103					
Renk	RK604SSTX	STX	AC,P5V	102					
Renk	RK642SSTX	STX,B	AC,P5V	103					
Renk	RK717SSTX	STX,B	AC,P5V	105					
Rupp	xrD03-07	VT2P,B	AC,P5V	103					
Rupp	xrD06-70	VT2P,B	AC,P2	106					
Seed Consultants	SC 10AGT59	3010	AVC,C2,Vi	105					
Seed Consultants	SCS 1037YHR	OI	MQ,P1V,R	103					
Seed Consultants	SCS 10HR43	HX,RR2	MQ,P1V,R	104					
Specialty	32A886	STX,B	AC,P5V	102					
Specialty	34A007	STX,B	AC,P5V	104					

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	Innotech™ brand seed is distributed by Rob-See-Co, LLC. Phoenix® brand seed is distributed by Advanta Seeds. Power Plus® brand seed is distributed by Burrus. Innotech™ and Phoenix® are trademarks 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 (CB,RW,LL,GT)	E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)
3010	Agrisure® 3010 (CB,LL,GT)	GT	Agrisure® GT
3011,A	Agrisure® Artesian® (CB,RW,LL,GT)	HX	Herculex® 1, contains LL
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	HXRW	Herculex® Rootworm, contains LL
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)	HXT	Herculex® Xtra (HX,HXRW,LL)
3120	Agrisure® 3120 (CB,HX,LL,GT)	LL	LibertyLink®
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	None	conventional corn
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
A	Agrisure® Artesian®	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
AMT	Optimum® AcreMax® TRIsect (HX,RW,LL,RR2)	PC	PowerCore™ (HX, VT2P)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	RR2	Roundup Ready® 2 Corn
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	RW	Agrisure® Rootworm
AQ	Optimum® AQUAMax®	STX	SmartStax® (VT3P,HXT,RR2,LL)
B	Refuge blend product	VT2P	Genuity® VT Double PRO®
CB	Agrisure® Corn Borer	VT3P	Genuity® VT Triple PRO®
DG	Genuity® DroughtGard®	YGCB	YieldGard® Corn Borer

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

Corn Seed Treatments**

?	information not provided	Lu	Lumivia™
A	Allegiance®	M	Maxim XL®
AC	Acceleron® fungicide products	MQ	Maxim Quattro®
AL2500	Alert 2500	None	untreated
At	Actellic®	P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
AVC	Avicta® Complete Corn	R	Raxil®
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively	Sa	Sativa™
CE	Cruiser Extreme®	Se	Sebring™
CM	CruiserMaxx® Corn	Sn	Senator™
D	Dynasty®	Sp	Spirato™
Es	Escalate®	SC	SHIELDCoat™
HC	Hefty Complete	V	Votivo®
In	Intego™ Solo	Vi	Vibrance®
L	Lorsban®		

** Seed treatments may include unspecified plant health promoting components.