

# 2017 Corn Grain Top 30 Harvest Report

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



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

PREV. CROP/HERB: Wheat / MCPA, WideMatch  
 SOIL DESCRIPTION: Marlette loam, mod. well drained, non-irrigated  
 SOIL CONDITION: Minimum w/o fall till, very high P, very high K, 5.8 pH, 2.1% OM, 10.6 CEC  
 PEST MANAGEMENT: TripleFlex II, Roundup, Degree Xtra, Force  
 FERTILITY - Applied N: 80 Fall, 90 Spring  
 Applied N-P-K (units): 170-120-80  
 SEEDING - RATE - ROW: May 19 34,500 /A 30" spacing  
 HARVESTED - STAND: Oct 29 32,800 /A

## Early-Season Test

**96 - 101 Day CRM**  
 B2017MISO24a

## 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
Great Lakes	5029VT2RIB	VT2P,B	100	<b>163.8</b>	20.9	1	36.2	495	1
NuTech/G2 Gen	5F-601^	AM,AQ,B	101	<b>162.7</b>	23.2	1	33.5	481	3
Seed Consultants	SCS 1018YHR^	OI,AQ	101	159.9	23.5	1	33.5	471	7
NuTech/G2 Gen	5F-196^	AM,B	96	159.6	21.7	1	35.3	479	4
Dyna-Gro	D41SS71 GC	STX	101	159.1	22.3	1	33.5	474	6
Great Lakes	4988VT2PRO	VT2P	99	158.3	22.7	1	30.7	470	8
Rupp	xrD00-51	VT2P,B	100	157.9	20.9	1	31.6	477	5
Great Lakes	4728VT2PRO	VT2P	97	157.4	19.0	1	32.5	485	2
M & W Seeds	45M21	VT2P,B	100	156.8	23.0	1	34.4	464	10
NuTech	5N-800	3011,A	100	155.0	20.9	1	34.4	469	9
Specialty	30A307	STX,B	100	154.2	22.2	1	34.4	460	13
M & W Seeds	46L43	VT2P,B	96	153.5	20.8	1	34.4	464	11
Renk	RK595SSTX	STX,B	99	153.4	22.4	1	27.9	457	16
Dyna-Gro	D39DC43 GC	VT2P,DG	99	151.9	22.0	1	35.3	454	17
Golden Harvest	G96V99-3120-EZR	3120,B	96	150.8	19.2	1	30.7	464	12
Dyna-Gro	D37VC60RIB GC	VT2P,B	97	150.7	20.1	1	33.5	459	14
Golden Harvest	G99T64-GT	GT	99	150.3	21.2	1	32.5	453	19
Rupp	xrD97-95	VT2P	97	150.0	19.9	1	33.5	458	15
Renk	RK629VT3P	VT3P,B	101	150.0	22.6	1	31.6	446	24
Renk	RK608DGV2P	VT2P,DG,B	100	149.7	21.9	1	31.6	448	23
Integra	4902VT2PRIB	VT2P	99	149.5	20.4	1	34.4	454	18
Pioneer	P9929AMXT GC	AMXT,B	99	149.1	21.3	1	31.6	449	20
Dairyland	DS-9701RA	STX,B	101	148.6	22.5	2	30.7	442	26
Renk	RK612SSTX	STX,B	100	147.8	20.3	1	32.5	449	21
M & W Seeds	45N31	VT2P,B	101	147.1	21.5	1	34.4	442	27
FS InVISION	FS 50VX1 RIB	STX,B	100	147.0	19.9	1	34.4	449	22
Specialty	26A236	STX,B	96	146.0	19.8	1	34.4	446	25
Dairyland	DS-9599	3000GT	99	145.7	22.3	1	34.4	434	30
Rupp	xrJ99-70	STX,B	99	145.3	20.8	1	31.6	440	28
NuTech/G2 Gen	5FN-6097^	OI	97	145.0	21.3	1	29.7	437	29
Pioneer	P0157AMX CK	AMX,AQ,B	101	143.5	21.8	1	28.8	430	31

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Averages =	<b>150.4</b>	<b>21.3</b>	<b>1</b>	<b>32.8</b>	<b>453</b>
LSD (0.10) =	10.4	1.1	ns		
LSD (0.25) =	5.5	0.6	ns		
C.V. =	6.6	Prev. years average yield, 159.9 bu/a, 6 yrs			

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.030 Prices: GMO = \$3.20; non-GMO = \$3.20

**Test Comments:** *This plot was no-till planted into wheat stubble. Stand establishment was good but early growth was limited by hot dry weather. It recovered when rains began in late June and grew and pollinated well. Yield potential at that point was normal or better but very dry conditions during grain fill limited yield. Stalk quality was good but that was partially due to short 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: 10/30/2017 Revised:

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 PEST MANAGEMENT: TripleFlex II, Roundup, Degree Xtra, Force  
 FERTILITY - Applied N: 80 Fall, 90 Spring  
 Applied N-P-K (units): 170-120-80  
 SEEDING - RATE - ROW: May 19 34,500 /A 30" spacing  
 HARVESTED - STAND: Oct 29 32,700 /A

**Full-Season Test**  
**102 - 105 Day CRM**  
 B2017MISO24b

## 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
Renk	RK717SSTX	STX,B	105	<b>163.4</b>	24.9	1	30.7	474	1
Seed Consultants	SCS 10HR43^	HX,RR2	104	<b>161.0</b>	24.1	1	31.6	471	2
M & W Seeds	45N89	VT2P,B	104	<b>157.8</b>	24.7	1	33.5	459	4
Integra	5562VT2PRIB	VT2P,B	105	156.3	22.4	1	33.5	465	3
Rupp	xrD06-70	VT2P,B	105	156.0	24.4	1	36.2	455	6
Pioneer	P0339AMT GC	AMT,AQ,B	103	155.8	25.6	1	33.5	449	7
Specialty	32A886	STX,B	102	154.8	23.2	1	36.2	457	5
Dekalb	DKC51-38RIB GC	STX,B	101	153.7	24.2	1	31.6	449	8
Great Lakes	5283STXRIB	STX,B	102	152.8	23.8	1	32.5	449	9
Dekalb	DKC54-38RIB GC	STX,B	104	150.9	23.9	1	35.3	443	10
NuTech/G2 Gen	5F-504^	AM,B	104	150.6	24.7	1	33.5	438	13
Renk	RK675DGV2P	VT2P,DG,B	103	149.7	23.4	1	29.7	441	11
FS InVISION	FS 52RL0 EZR	3120,B	102	149.4	24.3	1	33.5	436	15
Specialty	34A007	STX,B	104	148.4	22.9	1	29.7	440	12
NuTech/G2 Gen	X5LN-0308^	OIXT,AQ	103	147.9	23.9	1	29.7	434	17
NuTech/G2 Gen	5F-503^	AM,B	103	147.3	23.0	1	31.6	436	16
Renk	RK642SSTX	STX	103	146.9	24.6	1	32.5	428	20
Rupp	xrD02-93	VT2P,B	102	146.8	24.5	1	34.4	428	21
FS InVISION	FS 52ZX1 RIB	STX,B	102	146.6	23.3	1	35.3	433	18
M & W Seeds	45M44	VT2P,B	103	146.4	25.6	1	33.5	422	25
Dekalb	DKC52-68RIB GC	VT2P,B	102	146.3	25.2	1	34.4	423	23
Dairyland	DS-9804SSX	STX	104	145.7	23.3	1	33.5	430	19
Great Lakes	5556VT2RIB	VT2P,B	105	145.6	23.8	1	31.6	427	22
Seed Consultants	SCS 1037YHR^	OI	103	145.6	24.8	1	32.5	423	24
Golden Harvest	G03C84-3120-EZR	3120,B	103	144.8	24.6	1	33.5	422	26
Integra	5250VT2P	VT2P	102	142.7	23.6	1	32.5	420	27
FS InVISION	FS 54ZX1 RIB	STX,B	104	141.7	25.1	1	31.6	411	30
Renk	RK680SSTX	STX,B	103	141.1	24.3	1	30.7	412	28
Golden Harvest	G03A50-3120-EZR	3120,B	103	140.0	23.5	1	33.5	412	29
Dairyland	DS-9802RA	STX,B	102	138.5	23.3	1	30.7	409	31
Pioneer	P0157AMX CK	AMX,AQ,B	101	148.4	23.6	1	31.6	437	14

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Averages =	<b>147.8</b>	<b>24.3</b>	<b>1</b>	<b>32.7</b>	<b>432</b>
LSD (0.10) =	9.6	1.5	ns		
LSD (0.25) =	5.0	0.8	ns		
C.V. =	6.1	Prev. years average yield, 159.9 bu/a, 6 yrs			

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.030 Prices: GMO = \$3.20; non-GMO = \$3.20

**Test Comments:** *This plot was no-till planted into wheat stubble. Stand establishment was good but early growth was limited by hot dry weather. It recovered when rains began in late June and grew and pollinated well. Yield potential at that point was normal or better but very dry conditions during grain fill limited yield. Stalk quality was good but that was partially due to short 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: 10/30/2017 Revised:

2017 Corn Grain - Michigan South [ MISO ]



**Early-Season Test Products (36 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Dairyland	DS-9599	3000GT	CM,C5,Vi,In	99					
Dairyland	DS-9701RA	STX,B	CM,C5,Vi,In	101					
Dyna-Gro	D37VC60RIB GC	VT2P,B	AC,P5V	97					
Dyna-Gro	D39DC43 GC	VT2P,DG	AC,P5V	99					
Dyna-Gro	D41SS71 GC	STX	AC,P5V	101					
FS InVISION	FS 49ZX1 RIB	STX,B	AC,P5V	99					
FS InVISION	FS 50VX1 RIB	STX,B	AC,P5V	100					
Golden Harvest	G01P52-3011A	3011,A	CM,C2	101					
Golden Harvest	G96V99-3120-EZR	3120,B	AVC,C2,Vi	96					
Golden Harvest	G97N86-3110	3110	AVC,C2,Vi	97					
Golden Harvest	G99T64-GT	GT	AVC,C2,Vi	99					
Great Lakes	4728VT2PRO	VT2P	AC,P5V	97					
Great Lakes	4988VT2PRO	VT2P	AC,P5V	99					
Great Lakes	5029VT2RIB	VT2P,B	AC,P5V	100					
Integra	4902VT2PRIB	VT2P	AC,P2	99					
Integra	CX701097	VT2P	AC,P5V	97					
M & W Seeds	45M21	VT2P,B	AC,P2	100					
M & W Seeds	45N31	VT2P,B	AC,P2	101					
M & W Seeds	46L43	VT2P,B	AC,P2	96					
NuTech	5N-800	3011,A	MQ,P5V,R	100					
NuTech/G2 Gen	5F-196^	AM,B	MQ,P5V,R	96					
NuTech/G2 Gen	5F-601^	AM,AQ,B	MQ,P5V,R	101					
NuTech/G2 Gen	5F-701^	AM,AQ,B	MQ,P5V,R	101					
NuTech/G2 Gen	5FN-6097^	OI	MQ,P1V,R	97					
Pioneer	P0157AMX CK	AMX,AQ,B	MQ,P1V	101					
Pioneer	P9929AMXT GC	AMXT,B	MQ,C2,R,Lu	99					
Renk	RK595SSTX	STX,B	AC,P5V	99					
Renk	RK608DGV2P	VT2P,DG,B	AC,P2	100					
Renk	RK612SSTX	STX,B	AC,P5V	100					
Renk	RK629VT3P	VT3P,B	AC,P2	101					
Rupp	xrD00-51	VT2P,B	AC,P2	100					
Rupp	xrD97-95	VT2P	AC,P5V	97					
Rupp	xrJ99-70	STX,B	AC,P2	99					
Seed Consultants	SCS 1018YHR^	OI,AQ	MQ,P1V,R	101					
Specialty	26A236	STX,B	AC,P5V	96					
Specialty	30A307	STX,B	AC,P5V	100					

2017 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-9802RA	STX,B	CM,C5,Vi,In	102					
Dairyland	DS-9804SSX	STX	CM,C5,Vi,In	104					
Dekalb	DKC51-38RIB GC	STX,B	AC,P5V	101					
Dekalb	DKC52-68RIB GC	VT2P,B	AC,P2	102					
Dekalb	DKC54-38RIB GC	STX,B	AC,P5V	104					
FS InVISION	FS 52RL0 EZR	3120,B	AVC,C2,Vi	102					
FS InVISION	FS 52ZX1 RIB	STX,B	AC,P5V	102					
FS InVISION	FS 54ZX1 RIB	STX,B	AC,P5V	104					
FS InVISION	FS 55TX1 RIB	STX,B	AC,P5V	105					
Golden Harvest	G03A50-3120-EZR	3120,B	AVC,C2,Vi	103					
Golden Harvest	G03C84-3120-EZR	3120,B	AVC,C2,Vi	103					
Golden Harvest	G05B91-3010	3010	AVC,C2,Vi	105					
Golden Harvest	G05T82-3122-EZR	3122,B	AVC,C2,Vi	105					
Great Lakes	5283STXRIB	STX,B	AC,P5V	102					
Great Lakes	5556VT2RIB	VT2P,B	AC,P5V	105					
Integra	5250VT2P	VT2P	AC,P5V	102					
Integra	5562VT2PRIB	VT2P,B	AC,P2	105					
M & W Seeds	44D81	VT2P,B	AC,P2	108					
M & W Seeds	45M44	VT2P,B	AC,P2	103					
M & W Seeds	45N89	VT2P,B	AC,P2	104					
NuTech/G2 Gen	5F-503^	AM,B	MQ,P5V,R	103					
NuTech/G2 Gen	5F-504^	AM,B	MQ,P5V,R	104					
NuTech/G2 Gen	X5LN-0308^	OIXT,AQ	MQ,P1V,R	103					
Pioneer	P0157AMX CK	AMX,AQ,B	MQ,P1V	101					
Pioneer	P0339AMT GC	AMT,AQ,B	MQ,P1V	103					
Renk	RK642SSTX	STX	AC,P5V	103					
Renk	RK675DGV2P	VT2P,DG,B	AC,P2	103					
Renk	RK680SSTX	STX,B	AC,P5V	103					
Renk	RK717SSTX	STX,B	AC,P5V	105					
Rupp	xrD02-93	VT2P,B	AC,P2	102					
Rupp	xrD06-70	VT2P,B	AC,P2	105					
Rupp	xrJ05-75	STX,B	AC,P2	105					
Seed Consultants	SCS 1037YHR^	OI	MQ,P5V,R	103					
Seed Consultants	SCS 10HR43^	HX,RR2	CE,C2	104					
Specialty	32A886	STX,B	AC,P5V	102					
Specialty	34A007	STX,B	AC,P5V	104					

## Footnotes and Abbreviation Descriptions

### Brand Footnotes

^	G2 <sup>®</sup> brand seed is distributed by NuTech Seed, LLC. Catalyst <sup>™</sup> and Power Plus <sup>®</sup> brand seed is distributed by Burrus. HPT <sup>®</sup> brand seed is distributed by Hoegemeyer Hybrids, Innotech <sup>™</sup> brand seed is distributed by Rob-See-Co, LLC. RPM <sup>®</sup> brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX <sup>®</sup> brand seed is distributed by Seed Consultants, Inc. VPM <sup>®</sup> brand seed is distributed by AgVenture, Inc. XL <sup>®</sup> and Phoenix <sup>®</sup> brand seed is distributed by Beck's Superior Hybrids. Curry <sup>®</sup> , G2 <sup>®</sup> , HPT <sup>®</sup> , Power Plus <sup>®</sup> , RPM <sup>®</sup> , Supreme EX <sup>®</sup> , VPM <sup>®</sup> and XL <sup>®</sup> are registered trademarks of DuPont Pioneer. Catalyst <sup>™</sup> , Innotech <sup>™</sup> and Phoenix <sup>®</sup> are trademarks of Syngenta.
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 <sup>®</sup> 3000GT (CB,RW,LL,GT)	GT	Agrisure <sup>®</sup> GT
3010	Agrisure <sup>®</sup> 3010 (CB,LL,GT)	HX	Herculex <sup>®</sup> 1, contains LL
3011,A	Agrisure <sup>®</sup> Artesian <sup>®</sup> (CB,RW,LL,GT)	HXRW	Herculex <sup>®</sup> Rootworm, contains LL
3110	Agrisure <sup>®</sup> Viptera <sup>®</sup> 3110 (Vip, CB,LL,GT)	HXT	Herculex <sup>®</sup> Xtra (HX,HXRW,LL)
3111	Agrisure <sup>®</sup> Viptera <sup>®</sup> 3111 (Vip,CB,RW,LL,GT)	LL	LibertyLink <sup>®</sup>
3120	Agrisure <sup>®</sup> 3120 (CB,HX,LL,GT)	None	conventional corn
3122	Agrisure <sup>®</sup> 3122 (CB,HXX,RW,LL,GT)	OI	Optimum <sup>®</sup> Intrasect <sup>®</sup> , YHR (YGCB,HX,LL,RR2)
3220	Agrisure <sup>®</sup> Viptera <sup>®</sup> 3220 (Vip,CB,HX,LL,GT)	OIX	Optimum <sup>®</sup> Intrasect <sup>®</sup> Xtra, YXR (YGCB,HXT,LL,RR2)
A	Agrisure <sup>®</sup> Artesian <sup>®</sup>	OIXT	Optimum <sup>®</sup> Intrasect <sup>®</sup> Xtreme (YGCB,HXT,RW,LL,RR2)
AM	Optimum <sup>®</sup> AcreMax <sup>®</sup> (YGCB,HX,LL,RR2)	PC	PowerCore <sup>™</sup> (HX, VT2P)
AMT	Optimum <sup>®</sup> AcreMax <sup>®</sup> TRIsect (HX,RW,LL,RR2)	RR2	Roundup Ready <sup>®</sup> 2 Corn
AMX	Optimum <sup>®</sup> AcreMax <sup>®</sup> Xtra (YGCB,HXT,LL,RR2)	RW	Agrisure <sup>®</sup> Rootworm
AMXT	Optimum <sup>®</sup> AcreMax <sup>®</sup> Xtreme (YGCB,HXT,RW,LL,RR2)	STX	SmartStax <sup>®</sup> (VT3P,HXT,RR2,LL)
AQ	Optimum <sup>®</sup> AQUAMax <sup>®</sup>	VT2P	Genuity <sup>®</sup> VT Double PRO <sup>®</sup>
B	Refuge Blend	VT3P	Genuity <sup>®</sup> VT Triple PRO <sup>®</sup>
CB	Agrisure <sup>®</sup> Corn Borer	YGCB	YieldGard <sup>®</sup> Corn Borer
DG	Genuity <sup>®</sup> DroughtGard <sup>®</sup>		

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

### Corn Seed Treatments\*\*

?	information unavailable	In	Intego <sup>™</sup> Solo
A	Allegiance <sup>®</sup>	L	Lorsban <sup>®</sup>
AC	Acceleron <sup>®</sup> fungicide products	Lu	Lumivia <sup>™</sup>
AL2500	Alert 2500 <sup>™</sup>	M	Maxim XL <sup>®</sup>
At	Actellic <sup>®</sup>	MQ	Maxim Quattro <sup>®</sup>
AVC	Avicta <sup>®</sup> Complete Corn	None	untreated
C2, C5, C1	Cruiser <sup>®</sup> at 0.25, 0.5 and 1.25 mg ai/seed, respectively	P2, P5, P1	Poncho <sup>®</sup> at 0.25, 0.5 and 1.25 mg ai/seed, respectively
CE	Cruiser Extreme <sup>®</sup>	R	Raxil <sup>®</sup>
CM	CruiserMaxx <sup>®</sup> Corn	SC	SHIELDCoat <sup>™</sup>
D	Dynasty <sup>®</sup>	V	Votivo <sup>®</sup>
Es	Escalate <sup>®</sup>	Vi	Vibrance <sup>®</sup>

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