

2018 Corn Grain Top 30 Harvest Report

Michigan Thumb [MITH] BROWN CITY
Dwight Bartle, Sanilac County, MI 48416



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

PREV. CROP/HERB: Wheat/Clover / none
SOIL DESCRIPTION: Capac silt loam, mod. poor drained, non-irrigated
SOIL CONDITION: Minimum w/ fall till, very high P, very high K, 6.1 pH, 2.7% OM, 10.3 CEC
PEST MANAGEMENT: Dual II Magnum, Roundup PowerMax, Force
FERTILITY - Applied N: 200 Spring, 6 Planter
Applied N-P-K (units): 206-40-150
SEEDED - RATE - ROW: May 7 34,500 /A 30" spacing
HARVESTED - STAND: Oct 23 34,300 /A

All-Season Test
92 - 101 Day CRM
B2018MITH82

Top 30 of 36

For Gross Income (Sorted by Yield)
Average of (2) Replications

| Company/Brand | Product/Brand† | Technol.† | RM | Yield Bu/A | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|----------------|-----------------|-----------|-----|---------------|---------------|--------------|-------------------|-------------------------|------|
| Dyna-Gro | D37VC64RIB | VT2P,B | 97 | 254.2 | 18.8 | 1 | 34.8 | 924 | 1 |
| LG Seeds | LG5505VT2RIB | VT2P,B | 101 | 254.1 | 19.5 | 1 | 36.2 | 919 | 2 |
| Pioneer | P9998AMXT GC | AMXT,AQ,B | 99 | 252.6 | 19.0 | 1 | 36.2 | 917 | 4 |
| FS InVISION | FS 45SV1 RIB | VT2P,B | 95 | 251.2 | 18.2 | 1 | 37.5 | 918 | 3 |
| LG Seeds | LG5494VT2RIB | VT2P,B | 99 | 246.7 | 19.1 | 1 | 36.2 | 895 | 6 |
| M & W Seeds | 46P76 | VT2P,B | 97 | 246.0 | 18.3 | 1 | 32.2 | 898 | 5 |
| Dairyland | RPM-3715AM | AM,B | 96 | 244.4 | 18.4 | 1 | 34.8 | 892 | 7 |
| Dyna-Gro | D39DC43 | VT2P,DG | 99 | 244.4 | 19.0 | 1 | 30.8 | 887 | 10 |
| LG Seeds | LG5465VT2RIB | VT2P,B | 97 | 243.7 | 18.1 | 1 | 36.2 | 891 | 8 |
| M & W Seeds | 46R52 | 3220,A,B | 95 | 243.3 | 18.3 | 1 | 40.2 | 888 | 9 |
| Rupp | xrD97-95 | VT2P,B | 97 | 242.3 | 18.3 | 1 | 33.5 | 885 | 11 |
| FS InVISION | FS 51QX1 RIB | STX,B | 101 | 240.5 | 19.3 | 1 | 37.5 | 871 | 16 |
| M & W Seeds | 47P61 | VT2P,B | 90 | 240.2 | 17.7 | 1 | 33.5 | 881 | 12 |
| Rupp | xrT94-06 | VT3P,B | 94 | 239.4 | 18.1 | 1 | 36.2 | 875 | 14 |
| Renk | RK587VT2P | VT2P,B | 97 | 239.3 | 18.2 | 1 | 34.8 | 874 | 15 |
| Dyna-Gro | D34VC54 | VT2P | 94 | 239.0 | 17.6 | 1 | 33.5 | 878 | 13 |
| NuTech/G2 Gen | 5F-701 | AM,AQ,B | 101 | 238.8 | 19.2 | 1 | 38.9 | 865 | 18 |
| Renk | 8-536VT2P | VT2P | 94 | 236.9 | 17.5 | 1 | 36.2 | 871 | 17 |
| Pioneer | P0157AMXT GC | AMXT,AQ,B | 101 | 234.6 | 19.3 | 1 | 34.8 | 849 | 20 |
| Golden Harvest | G95D32-3220-EZR | 3220,B | 95 | 233.3 | 17.6 | 1 | 34.8 | 857 | 19 |
| FS InVISION | FS 46RL0 EZR | 3120,B | 96 | 232.1 | 18.4 | 1 | 32.2 | 847 | 21 |
| Dairyland | RPM-4018AM | AM,AQ,B | 101 | 230.3 | 19.1 | 1 | 34.8 | 835 | 24 |
| Renk | 8-593SSTX | STX | 99 | 229.4 | 18.5 | 1 | 34.8 | 836 | 23 |
| LG Seeds | LG44C27VT2PRO | VT2P | 94 | 228.2 | 17.5 | 1 | 33.5 | 839 | 22 |
| Dairyland | RPM-3518AM | AM,B | 96 | 227.9 | 18.2 | 1 | 33.5 | 833 | 25 |
| NuTech | 5N-800 | 3011,A | 100 | 226.2 | 18.7 | 1 | 34.8 | 823 | 27 |
| M & W Seeds | 48R11 | VT2P,B | 87 | 225.3 | 16.7 | 1 | 38.9 | 833 | 26 |
| Golden Harvest | G97N86-3110 | 3110 | 97 | 224.3 | 18.4 | 1 | 37.5 | 818 | 28 |
| FS InVISION | FS 47TV1 RIB | VT2P,B | 97 | 220.8 | 18.6 | 1 | 32.2 | 804 | 30 |
| Dairyland | DS-7294A | 3220 | 94 | 220.4 | 17.8 | 1 | 33.5 | 808 | 29 |

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Averages = **233.1** **18.4** **1** **34.3** **851**

LSD (0.10) = 11.3 0.6 ns

LSD (0.25) = 5.9 0.3 ns

C.V. = 3.7 Prev. years average yield, 201.4 bu/a, 7 yrs

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

Test Comments: *Very nice plot with excellent yields under a high level of management. A few timely showers into pollination maintained yield potential. Abundant rains during grain fill added weight. Very little tip back so probably could have handled a higher population than the 34.5K that was planted this year. Standability was very good considering harvest occurred once grain moisture was below 20%.*

† 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: 10/24/2018 Revised:

2018 Corn Grain - Michigan Thumb [MITH]



All-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-7294A | 3220 | CM,C5,Vi,In | 94 | | | | | |
| Dairyland | RPM-3518AM | AM,B | CM,C2,R,Lu | 96 | | | | | |
| Dairyland | RPM-3519YHR | OI | MQ,P5V,R | 96 | | | | | |
| Dairyland | RPM-3715AM | AM,B | MQ,P5V,R | 96 | | | | | |
| Dairyland | RPM-4018AM | AM,AQ,B | MQ,P5V,R | 101 | | | | | |
| Dyna-Gro | D34VC54 | VT2P | AC,P5V | 94 | | | | | |
| Dyna-Gro | D37VC64RIB | VT2P,B | AC,P5V | 97 | | | | | |
| Dyna-Gro | D39DC43 | VT2P,DG | AC,P5V | 99 | | | | | |
| FS InVISION | FS 45SV1 RIB | VT2P,B | AC,P2 | 95 | | | | | |
| 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 | G90Y04-3220A-EZR | 3220,A,B | AVC,C2,Vi | 92 | | | | | |
| Golden Harvest | G95D32-3220-EZR | 3220,B | AVC,C2,Vi | 95 | | | | | |
| Golden Harvest | G95P13-3110 | 3110 | AVC,C2,Vi | 95 | | | | | |
| Golden Harvest | G97N86-3110 | 3110 | AVC,C2,Vi | 97 | | | | | |
| LG Seeds | LG44C27VT2PRO | VT2P | AC,P5V | 94 | | | | | |
| 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 | 46P76 | VT2P,B | AC,P2 | 97 | | | | | |
| M & W Seeds | 46R52 | 3220,A,B | AC,P2 | 95 | | | | | |
| M & W Seeds | 47P61 | VT2P,B | AC,P2 | 90 | | | | | |
| M & W Seeds | 48R11 | VT2P,B | AC,P2 | 87 | | | | | |
| NuTech | 5G-293 | 3110,A | MQ,P5V,R | 93 | | | | | |
| NuTech | 5N-800 | 3011,A | MQ,P5V,R | 100 | | | | | |
| NuTech | E5GN-A395 | 3110 | AVC,Vi | 95 | | | | | |
| NuTech/G2 Gen | 5F-701 | AM,AQ,B | MQ,P5V,R | 101 | | | | | |
| Pioneer | P0157AMXT GC | AMXT,AQ,B | MQ,P1V,R | 101 | | | | | |
| Pioneer | P9998AMXT GC | AMXT,AQ,B | MQ,C5,R | 99 | | | | | |
| Renk | 8-536VT2P | VT2P | AC,P2 | 94 | | | | | |
| Renk | 8-593SSTX | STX | AC,P5V | 99 | | | | | |
| Renk | RK587VT2P | VT2P,B | AC,P2 | 97 | | | | | |
| Rupp | xrD97-95 | VT2P,B | AC,P2 | 97 | | | | | |
| Rupp | xrT94-06 | VT3P,B | AC,P2 | 94 | | | | | |
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Footnotes and Abbreviation Descriptions

Brand Footnotes

| | |
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| ^ | 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.