

# **Northern Michigan FruitNet 2017**

## **Northwest Michigan Horticultural Research Center**

### Weekly Update

**FruitNet Report – April 4, 2017**

#### **CALENDAR OF EVENTS**

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|-------------|--|
| <b>4/17</b> | <b>Spring Sweet Cherry Pruning<br/>Demonstration</b><br>Kings Orchards in Central Lake, MI, Time<br>TBD        |
| <b>4/18</b> | <b>IPM Kickoff</b><br>NWMHRC   |
| <b>5/19</b> | <b>Save the Date: Apple Thinning Meeting</b><br>NWMHRC, 10 – 1 PM, RSVP by May 17<br>More information to come! |

#### **What's New?**

- **The Protection Plan for Managed Pollinators in Michigan draft release**
  - **Spring Sweet Cherry Pruning Demonstration**
  - **GROWING DEGREE DAY ACCUMULATIONS AS OF March 28, 2017 AT THE NWMHRC**
  - **2017 Growth Stages as of 4/3/17**
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## **GROWING DEGREE DAY ACCUMULATIONS AS OF March 28, 2017 AT THE NWMHRC**

<b>Year</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>	<b>27 Yr. Avg.</b>
<b>GDD42</b>	63.3	73.4	37.1	10.8	10.5	294.4	62.5
<b>GDD50</b>	16.3	20.5	9.5	0.9	0.3	164.1	22.1

### **2017 Growth Stages as of 4/3/17**

Bartlett Pear – Dormant

Potomac Pear – Dormant

Mac – Silver tip

Gala – Dormant

Red Delicious – Silver tip

HoneyCrisp – Dormant

Montmorency – Dormant

Balaton – Dormant

Hedelfingen – Dormant

Gold – Bud swell

Napoleon – Dormant

Riesling – Dormant

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## **Spring Sweet Cherry Pruning Demonstration**

**April 17, 2017**

The NWMHRC will host Drs. Greg Lang and Todd Einhorn for a high-density sweet cherry pruning demonstration in the afternoon of April 17, 2017 at Kings Orchards in Central Lake, MI. The start time of the demonstration is forthcoming.

At this demonstration, we will visit a new planting of vigorous trees and will discuss pruning strategies to manage excessive growth. Canopy management and renewal pruning will be the topics of discussion in a mixed variety block of Kings' bearing trees. Finally, with regard to spotted wing drosophila management in sweets, this demonstration also offers the opportunity for growers to visit the Kings' unique block that was planted specifically with pre-harvest pest management spray strategies in mind.

Sweet cherry growers won't want to miss this opportunity to visit this cutting-edge operation in northwest Michigan. Stay tuned for more details.

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## **BULLETIN NO.: MGR-17-003**

**TO:** All Approved Insurance Providers   All Risk Management Agency Field Offices All Other Interested Parties

**FROM:** Heather Manzano /s/ Heather Manzano   3/20/2017  
Acting Administrator

**SUBJECT:** 2016 Crop Year Actual Revenue History (ARH) Sweet Cherry and Tart Cherry for Processing Notice of Loss Extension

### **BACKGROUND:**

Section 11(e) of the Actual Revenue History (ARH) Sweet Cherry Pilot Crop Provisions and section 11(c) of the ARH Tart Cherry for Processing Pilot Crop Provisions, states, "if there is no damage or loss of production but you anticipate a revenue loss, you must give us notice not later than March 1 of the year following harvest." The Risk Management Agency issued Informational Memorandum PM-17-015: 2016 Crop Year ARH Sweet Cherry and Tart Cherry for Processing Annual Price on March 8th, 2017; therefore, creating the inability for insured producers anticipating a revenue loss for sweet cherries and tart cherries for processing to meet the notice of loss requirements by March 1.

### **ACTION:**

Due to the inability of insured producers to comply with the March 1 notice requirements, because of the release of the Annual Price on March 8, 2017, Approved Insurance Providers may accept notices of anticipated revenue losses under the ARH Sweet Cherry and the ARH Tart Cherry for Processing programs, through April 15, 2017, for the 2016 crop year. AIPs are to document use of this bulletin for applicable claim files.

**DISPOSAL DATE:**

December 31, 2017

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## **The Protection Plan for Managed Pollinators in Michigan draft release**

**Michigan has released its draft plan to protect managed pollinators from pesticide threats. This joint effort is designed to provide clear actions that can be taken to reduce pesticide exposure to bees.**

Posted by **Sarah Scott**, and Meghan Milbrath, Michigan State University Extension, Department of Entomology, MSUE News



Image courtesy of Sarah Scott, MSU.

The [Michigan Department of Agriculture and Rural Development](#) (MDARD), along with [Michigan State University](#) and [Michigan Farm Bureau](#), is releasing its [draft Protection](#)

[Plan for Managed Pollinators in Michigan](#) (referred to as the plan), which aims to increase communication to reduce the risk of pesticides to pollinators across our state. The steering committee is seeking feedback from the public on the proposed draft to produce a document that has the most positive impact and acceptance among Michigan citizens.

The draft plan can be found online at [The Protection Plan for Managed Pollinators in Michigan](#). The document includes voluntary strategies for growers, beekeepers, landowners and pesticide applicators to mitigate the risk of pesticides while still supporting a robust agricultural economy. Michigan's plan follows the [National Strategy to Promote Pollinator Health](#), which includes the Pollinator Research Action Plan and the Pollinator-Friendly Best Management Practices for Federal Lands.

Our plan follows the [National Association of State Departments of Agriculture guidelines](#) for creating a managed pollinator protection plan. Over time, the plan will be reviewed to determine how well it is working to help protect managed pollinators.

The plan is meant to provide a way to mitigate the risk of pesticides to bees and other managed pollinators while supporting the use of crop protection. This will be accomplished by establishing a framework for open communication and coordination between individuals who are applying pesticides and beekeepers that have colonies in areas that could be impacted, and supporting best management practices. The key goals of the document are:

- Mitigate potential exposure of honey bees to pesticides.
- Foster positive relationships between beekeepers, growers and applicators.
- Allow for crop and honey production.
- Refine public understanding of pollinator health issues, factors affecting pollinators and what can be done to mitigate negative outcomes on pollinator populations.
- Find ways to minimize risk to pollinators that citizens, businesses, agencies and Michigan residents can follow.

If you would like to provide input and feedback on the plan, please complete the [Protection plan for managed pollinators in Michigan feedback survey](#), or email any comments to [MMP3@msu.edu](mailto:MMP3@msu.edu) by June 1, 2017. [Sign up for the plan mailing list](#) to stay up-to-date on developments or changes to the plan.

For more information on other states' Managed Pollinator Protection Plans, resources on Michigan's Plan or pollinators in Michigan, visit MSU's [Michigan Pollinator Initiative Managed Pollinator Protection Plan page](#). The final draft of the plan will be available at [MDARD's Managed Pollinator Protection Plan website](#).

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## **Michigan Cherry Producers Approve Continuation Referendum**

Program contact: Phil Korson, Michigan Cherry Committee, 517-669-4264

Media contact: [Jennifer Holton](#), MDARD, 517-284-5724

LANSING - Michigan Department of Agriculture & Rural Development Director Jamie Clover Adams announced today that the state's cherry producers have approved a referendum to continue the Michigan Cherry Promotion and Development Program.

Established in May 1972, the Michigan Cherry Promotion and Development Program was developed to improve the economic position of the state's cherry producers by creating greater marketing opportunities for Michigan cherries. By law, the program must be renewed every five years.

The Michigan Cherry Promotion and Development Program will continue for an additional five years beginning July 1, 2017. The current program assessment is \$10 per ton for sweet or tart cherries and \$5 per ton for cherries sold for juice.

A total of 135 valid ballots were cast in the referendum. Of those, 101 producers voted yes (75 percent) representing 134,134,560.59 pounds of cherries (88 percent of the production volume represented) and 34 producers voted no (25 percent) representing 18,888,510.95 pounds (12 percent).

For renewal of the program and its activities, more than 50 percent of the voting producers, representing more than 50 percent of the pounds sold by those voting, must have approved it.

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## **2017 Tree Fruit IPM Kick-off**

**April 18, 2017, 5:00 – 8:00 PM**

**Northwest Michigan Horticultural Research Center**

Please join Michigan State University Extension at the Northwest Michigan Horticultural Research Center on Tuesday, April 18 from 5:00 – 8:00 PM for the annual Tree Fruit IPM Kickoff! This year, we are pleased to host Ontario Ministry of Agriculture's Application Technology Specialist, Jason Deveau, using ZOOM teleconferencing. Deveau will discuss spray strategy techniques including application rates, calibration, coverage, and canopy management – the foundations of optimizing spray economy and effectiveness. Following last year's challenging fire blight scenario, MSU's Dr. George Sundin will join us to present considerations for fire blight management this season. Dr. Sundin will also

discuss the implications of new data on SDHI efficacy for cherry leaf spot management. Eric McCumber will provide a summary of the key Worker Protection Standard changes for 2017 and preparations for future changes. We will cover the annual pesticide label changes and updates and have a brief discussion on the future of borer pest management. This event is free of charge, and pesticide recertification credits and certified crop advisor credits will be available. We are looking forward to kicking off the 2017 season with you!

<b>4:45</b>	<b>Welcome and Refreshments</b>
<b>5:00 – 5:15</b>	<b>Pesticide Label Changes and Updates</b> <i>Emily Pochubay, MSU Extension</i>
<b>5:15 – 6:00</b>	<b>Fire Blight and Leaf Spot Considerations for 2017</b> <i>Dr. George Sundin, Dept. of Plant, Soil, and Microbial Sciences, MSU</i>
<b>6:00 – 6:45</b>	<b>Crop-Adapted Spraying</b> <i>Jason Deveau, Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA) via ZOOM Teleconference</i>
<b>6:45 – 7:00</b>	<b>Break</b>
<b>7:00 – 7:45</b>	<b>Worker Protection Standard Update</b> <i>Eric McCumber, MDARD</i>
<b>7:45 – 8:00</b>	<b>Borer Management Challenges in Stone Fruit</b> <i>Dr. Nikki Rothwell, MSU Extension and AgBioResearch</i>
<b>8:00</b>	<i>Fill out pesticide recertification and certified crop advisor sheets.</i>

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## **Wine grape research videos now available**

**Find out what MSU scientists are learning thanks to Michigan Grape and Wine Industry Council funding.**

Posted by **Mallory Fournier**, MSU IPM Program  
For more information contact [fourni49@msu.edu](mailto:fourni49@msu.edu), MSUE News



Image courtesy of Mark Longstroth, MSU Extension.

Wine grape growers now have easy access to [Michigan State University](#) research in the form of short, informative videos. Thanks to funding from the [Michigan Grape and Wine Industry Council](#), growers can access free presentations from MSU scientists describing their research findings and what it means for growers. These helpful videos offer growers quick and easy access to the research that is ongoing at MSU and how it benefits the industry.

The following topics are available for viewing. We would appreciate your feedback by taking a [brief survey](#) by the Council after viewing these presentations.

- **Watch video:** [Biology and management of invasive insect pests in Michigan vineyards](#)  
Keith Mason, MSU Department of Entomology
- **Watch video:** [Developing methods for use of own-rooted Vitis vinifera vines in Michigan vineyards](#)  
Tom Zabadal and Jenny Schoonmaker, MSU Department of Horticulture
- **Watch video:** [Grape IPM Program](#)  
Rufus Isaacs, MSU Department of Entomology
- **Watch video:** [Impact and spread of grapevine leafroll virus](#)  
Annemiek Schilder, MSU Department of Plant, Soil and Microbial Sciences
- **Watch video:** [Leaf removal: A tool to improve crop control and fruit quality in vinifera grapes](#)  
Paolo Sabbatini, MSU Department of Horticulture
- **Watch video:** [Strategic modernization of Enviroweather stations serving the Michigan grape and wine industries](#)  
Jeff Andresen, MSU Department of Geography

These research videos are available at the [MSU Extension Grapes Research page](#).

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# 2017 Fruit insecticide registration update

Summary of insecticide and miticide label additions, clarifications and corrections to the 2017 Michigan Fruit Management Guide (E0154).

Posted by [John Wise](#), Rufus Isaacs and Larry Gut, Michigan State University Extension, Department of Entomology, MSUE News

The following is a review of insecticide and miticide label changes and restrictions to the [Michigan State University Extension](#) Bulletin E0154, “[2017 Michigan Fruit Management Guide](#).” Agri-chemical labels and regulations can change quickly, so use this information within the context of each compound’s legal label.

Insecticide 2017 label additions, clarifications and corrections			
Compound	Label changes/restrictions	Crop	Target pests
Chlorpyrifos (Lorsban)	EPA decision pending	N/A	N/A
Belt	EPA cancelled registration	Grapes, pome and stone fruits	N/A
Tourismo	EPA cancelled registration	Grapes, pome and stone fruits	N/A
Closer	EPA re-established registration	N/A	N/A
Endosulfan	EPA phase-out complete	N/A	N/A
Banter	New registration	Pome and stone fruits, grapes, strawberries and caneberries	Mites
Minecto Pro	New registration	Pome and stone fruits	Mites, psylla, fruit flies, internal feeders, leafrollers
Cormoran	New registration	Pome and stone fruits, blueberries and strawberries	Internal feeders, leafrollers, fruit flies, fruit worms

New insecticide label information for compounds listed in [2017 E0154](#)

MSU Fruit Management Guide E0154 product numbers are in parenthesis ().

**Belt (89)** (flubendiamide). The [U.S. Environmental Protection Agency \(EPA\)](#) has cancelled the registrations of flubendiamide-containing products, including Belt insecticide. EPA will permit distributors and retailers to distribute and sell remaining

flubendiamide inventories, and permit growers to continue using product consistent with label use directions until Dec. 31, 2019.

**Tourismo (92)** (flubendiamide/buprofezin). EPA has cancelled the registrations of flubendiamide-containing products, including Turismo insecticide. EPA will permit distributors and retailers to distribute and sell remaining flubendiamide inventories, and permit growers to continue using product consistent with label use directions.

**Closer (8)** (sulfoxaflor). On Oct. 14, 2016, EPA re-established the registration for products containing sulfoxaflor (Isoclast Active): Closer SC insecticide. This re-established registration will allow for post-bloom usage on pome fruits, stone fruits, grapes and tree nuts. This registration has a downwind buffer zone included and restricts tank-mixing with products containing certain active ingredients.

**Endosulfan** phase-out. EPA has completed action to end the use of the pesticide endosulfan. A formal Memorandum of Agreement with manufacturers of the agricultural insecticide has led to cancellation and phase-out of most endosulfan uses in the U.S., and the phase-out period is complete for all fruit crops.

**Banter (61)** (bifenazate) belongs to a class of miticides called carbazates and is registered for use in pome fruits, stone fruits, grapes, strawberries and caneberries for mite control. Banter is a contact miticide that is primarily active against motile stages of European red mite and twospotted spider mite, but also has ovicidal activity against spider mite species. For best performance, maintain spray tank water within a range of pH 5.5 to 6.5.

#### **New insecticide label information for compounds not listed in [2017 E0154](#)**

**Minecto Pro** (cyantraniliprole + abamectin) is an insecticide/miticide that combines two active ingredients as a pre-mix formulated compound. Minecto Pro is registered for use in pome and stone fruits, targeting mites, leaf miners, leafrollers, psylla, plum curculio, codling moth, oriental fruit moth, leafrollers and fruit flies. Minecto Pro holds the combined performance attributes of the cyantraniliprole and abamectin chemistries.

For the purposes of resistance management, do not make more than two sequential applications of Minecto Pro, and products containing either one of cyantraniliprole or abamectin shouldn't be used in the subsequent generation. The maximum yearly amount of Minecto Pro to be applied is 24 ounces per season.

**Cormoran** (novaluron + acetamiprid) is an insecticide that combines two active ingredients as a pre-mix formulated compound. Cormoran is registered for use in pome and stone fruits, blueberries and strawberries targeting aphids, leafhoppers, leafrollers, fruitworms, codling moth oriental fruit moth, stink bugs (brown marmorated stink bugs) and fruit flies (spotted wing Drosophila). Cormoran holds the combined performance attributes of the novaluron and acetamiprid chemistries.

For the purposes of resistance management, products containing either one of novaluron and acetamiprid shouldn't be used in the subsequent generation. The maximum yearly amount of Cormoran to be applied is 35 fluid ounces in strawberries, 89 fluid ounces in blueberries and 95 fluid ounces in pome and stone fruits per season.

*Drs. Wise, Isaacs and Gut's work is funded in part by [MSU AgBioResearch](#).*

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## **Chestnut Orchard Establishment Workshop**

*Join us to learn about commercial chestnut production in Michigan this April!*

Erin Lizotte, MSU Extension

The Michigan chestnut industry has been growing steadily over the last decade, with a lot of interest in production from new growers. To address this interest, Michigan State University Extension will be holding a one-day workshop to introduce attendees to the opportunities and challenges of commercial chestnut production. The workshop will include: an introduction to the history of the industry in Michigan; an economic analysis of production; orchard establishment and design; pest management; and harvesting, marketing, and storage.

The Chestnut Orchard Establishment Workshop will be held on April 20<sup>th</sup> from 10:00 am-4:00 pm at the Clarksville Horticultural Experiment Station, in Clarksville Michigan. The cost of the event is \$50 and includes lunch and support materials. To register, visit <https://events.anr.msu.edu/chestnutworkshop2017/>

Those attending are encouraged to visit [www.chestnuts.msu.edu](http://www.chestnuts.msu.edu) before the event for a primer on chestnut production. The '[Production considerations](#)' section may be particularly helpful.

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## **IMMIGRATION CHALLENGES IN LEELANAU: Who Will Harvest Our Produce?**

On **Wednesday, April 5, 2017 at noon** at the Leelanau County Government Center the Farm Labor Task Force of the League of Women Voters Leelanau County will highlight the impact current immigration policy has on area agricultural employers

and their workforce. The forum is entitled "**Immigration Challenges in Leelanau: Who Will Harvest Our Produce?**"

Migrant and seasonal farm workers are the core of our Leelanau County agricultural workforce. Area employers are concerned that they may not have a viable workforce. Workers and their families fear arrest, detention, deportation and the breakup of families. Law enforcement faces a balance of maintaining trust and confidence with all residents against calls for assistance with enforcement of federal law. Hear from the farmers, migrant worker advocates, immigration experts and law enforcement on this timely issue that ultimately impacts all of us. Panelists include Jim Bardenhagen, farmer/employer, Joe Hubbell, County Prosecutor, Gladys Munoz, Director of Peace and Justice Advocacy Center and Susan Reed, Director of Michigan Immigrant Rights Center.

For more information call [231-271-0072](tel:231-271-0072) or [231-271-6273](tel:231-271-6273), visit [LWVLeelanau.org](http://LWVLeelanau.org) or follow LWVLC on Facebook at [League of Women Voters Leelanau County](https://www.facebook.com/LeagueofWomenVotersLeelanauCounty)

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#### **WEB SITES OF INTEREST:**

Insect and disease predictive information is available at:

<http://enviroweather.msu.edu/homeMap.php>

This issue and past issues of the weekly FruitNet report are posted on our website:

<http://agbioresearch.msu.edu/nwmihort/faxnet.htm>

60-Hour Forecast:

<http://www.agweather.geo.msu.edu/agwx/forecasts/fcst.asp?fileid=fous46ktvc>

Information on cherries:

<http://www.cherries.msu.edu/>

Information on apples:

<http://apples.msu.edu/>

Information on grapes:

<http://grapes.msu.edu>

Fruit CAT Alert Reports:

<http://news.msue.msu.edu>