

VegNet

The Vegetable and Fruit Crops Teams Newsletter

<http://vegnet.osu.edu>

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Insect Observations

From Celeste Welty, Extension Entomologist

In sweet corn, we are still seeing low pest pressure at most farms, with negligible detection of corn earworm, European corn borer, and fall armyworm. The pest of greatest concern currently on sweet corn should be western bean cutworm, which is a relatively new pest that is found mostly in northwestern Ohio. As soon as the new generation of European corn borer begins emerging, peppers will need protection from infestation. Most of the common vegetable pests are currently active. Bean leaf beetle is abundant and damaging snap bean foliage and pods. Cucumber beetles, squash bug, and squash vine borer continue to be found on vine crops. Flea beetles are abundant on cole crops and eggplant. **(Continued on next page)**

Insect Observations

From Celeste Welty, Extension Entomologist

In fruit crops, the Japanese beetle continues to be noticeable and abundant this year, particularly on ripening peach fruit and on apples and brambles as well as on hops. The green June beetle, which looks similar to Japanese beetle but much larger, is also present in some orchards.

Insecticides that are effective for control of Japanese beetle are carbaryl (Sevin) and pyrethrins + PBO (Evergreen). Stink bugs are also being seen on ripening peach fruit but are unlikely to be killed by carbaryl; harsher insecticides such as methomyl (Lannate) or pyrethroids such as Mustang Maxx, Baythroid, or Warrior can be used if stink bugs are causing damage.

In apples, the new generation of codling moth began emerging July 11-12 both in central Ohio (Franklin County) and in northern Ohio (Erie/Lorain County). With the current hot temperatures, orchards reached the target spray date for insecticide to control codling moth by July 20-22 when 250 degree-days had accumulated after initial detection of moth emergence.

North Central Update

From Allen Gahler, Extension Educator, Agriculture and Natural Resources, OSU Extension Sandusky County

Due to the extreme heat and rapidly maturing sweet corn, the North Central Agricultural Research Station vegetable workshop series originally scheduled for August 11 will be moved up a week to August 4th. It will be the same agenda with breakfast at 7 a.m., followed by industry updates, sweet corn insect strategies with Celeste Welty, and then a field walk and evaluation with Mike Gastier. This should allow growers to see the trial at peak harvest and give opportunity for them to observe and sample varieties for themselves. No RSVP needed.

Vegetable crops continue to look excellent despite the heat and lack of rain. Most of the area has received around an inch in the last week, but remains well below normal. Sweet corn and machine pickle harvest is in full swing. There was some minor wind damage on July 17 in sweetcorn and pepper trials on a few varieties as seen in the photos.



Wayne County IPM Report: July 21st

From Rory Lewandowski, Extension Educator, Wayne County

Lots of vegetables are being harvested and just in time for the forecasted heat wave, watermelons are ready for harvest. This week scouts also noted that onions were being harvested from fields. Diseases continued to progress in some crops. Powdery mildew is heavy in some fall squash, pumpkins, zucchini and summer squash plantings. Downy mildew continues to be found in some cucumber plantings. This week, scouts found downy mildew in some watermelons, a diagnosis confirmed by Sally Miller's lab. While some watermelon was ready for harvest, on the down side, scouts found watermelon fruit with phytophthora blight this week. Early blight continues to develop in both field and high-tunnel tomato crops and scouts are working with a grower who has increasing levels of leaf mold in high tunnel tomatoes.

Moving on to insect pests, scouts were noting moths of the imported cabbage worm in some fall cabbage plantings along with some light flea beetle pressure. In cucurbit crops, cucumber beetle numbers were low this week and Japanese beetle leaf feeding was light. Squash bug eggs and recently hatched squash bug nymphs were found in some plantings. Tarnished plant bugs have been found in some pepper plantings and of course Colorado potato beetles are still doing well in some potato and eggplant fields. In sweet corn, pheromone trap counts for the corn earworm have remained at 0, while a few European corn borer (ECB) moths have been caught in traps. For some reason, over the past week, ECB traps baited with the New York lure were catching dozens (range of 20-98) of small white moths of the general size and shape of ECB moths but white instead of tan. Photos sent to Celeste Welty were identified as the carrot seed moth. In one planting of sweet corn, scouts found about 15% of the plants being attacked by armyworms with the characteristic ragged leaf feeding pattern and large amounts of frass.

Despite the hot weather and the lack of rainfall in the Wayne County area, most vegetable crops still look pretty good and growers are doing a good job of keeping up with irrigation. Still, a nice soaking rain would be much appreciated. **(Continued on next page)**



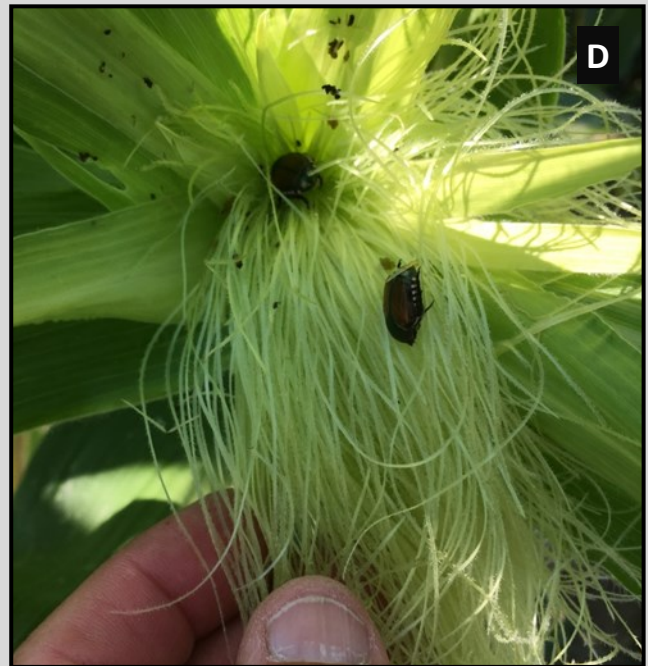
Photos:

- A. Watermelon ready for harvest. Photo by Chris Smedley, IPM program scout
- B. Phytophthora on watermelon. Photo by Chris Smedley, IPM program scout
- C. Leaf mold on HT grown tomatoes. Photo by Chris Smedley, IPM program scout



Wayne County IPM Report: July 21st

From Rory Lewandowski, Extension Educator, Wayne County



Photos:

- A. Field of fall cabbage. Photo by Chris Smedley, IPM program scout
- B. Recently hatched squash bug nymphs. Photo by Chris Smedley, IPM program scout
- C. Armyworm feeding damage to sweet corn. Photo by Chris Smedley, IPM program scout
- D. Japanese beetles feeding on sweet corn silks. Photo by Chris Smedley, IPM program scout



United States Department of Agriculture

Attention Specialty Crop Producers!

Free NAP Workshop

Non-Insured Crop Disaster Assistance Program (NAP)

August 18, 2016

6:30pm - 8:00pm

Madison County USDA Service Center

829 US Highway 42 NE

London, Ohio 43140

Come Learn!

No Cost!

What is NAP?

The Farm Service Agency administers NAP which provides financial assistance to producers of non-insurable crops when low yields, loss of inventory, or prevented planting occur due to damaging weather.

To read more about NAP coverage visit www.fsa.usda.gov/nap.

Workshop Highlights

Workshop highlights include:

- Explanation of NAP requirements, benefits, coverage levels, application, & payment processes.
- Discussion of reporting requirements and presentation by loss adjustor
- Overview of other FSA programs

To register, contact your local Farm Service Agency County Office, or email joseph.howard@oh.usda.gov by **August 5th**.

Registration is encouraged, though walk-ins are welcome!

Persons with disabilities who require accommodations to attend or participate in this meeting should contact Joe Howard at 740-852-4003 or Federal Relay Service at 1-800-877-8339 by August 5, 2016.



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OHIO STATE UNIVERSITY EXTENSION

Hardin County Crop Walk

Fruit & Vegetable Production

Jim Jasinski – OSU Extension Horticulturist

Dr. Sally Miller – OSU/OARDC Plant Pathologist

Mark Badertscher – OSU Extension, Hardin County

Hardin County Crop Walk program will consist of a diagnostic table and walk through a produce patch to learn solutions of common fruit and vegetable problems. Topics include plant nutrition and soil fertility, plant diseases, and insect pest management. Bring along your specimens for questions and answers along with a lawn chair. Location is about three miles northeast of the Scioto Valley Produce Auction.

Tuesday

August 9

6:00-8:00 pm

15460 County Road 209
Kenton, Ohio 43326

Bring plant problems, plant
disease and insect specimens

Hardin County OSU Extension
419-674-2297



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What's New in Fruit & Vegetable Production?

Presented by OSU Extension Greene County



Join Extension specialists for an update on the latest news in fruit and vegetable production! Topics include:

- **10:00 -11:00 What's eating my produce?**
Keep up to date on high impact insect pests and how to better control them in fruits and vegetables.
- **11:00-12:00 Hydroponics 101**
Learn why cultivating plants in water is gaining popularity, and how to get started using these systems!
- **12:00-12:30: Lunch**
- **12:30 – 2:00 Agritourism and Marketing Local Foods**
Get an update on the new agritourism bill, and an overview of alternative marketing opportunities
- **2:00 – 2:30: Tour Caesar Creek Vineyard**
Learn about Xenia's local vineyard and winery!

FRIDAY

AUG 12

10 A.M. – 2:30 P.M.

Caesar Creek Vineyard
962 Long Rd, Xenia, OH
45385

Cost: \$20 includes lunch

Registration Required
by August 8:

Register online:
<https://www.regonline.com/osuccfruitandvegetable>

**Contact hiatt.32@osu.edu or
937-372.9971x123**



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OHIO STATE UNIVERSITY EXTENSION

Orchard Sprayer Technology Field Day

THURSDAY, AUGUST 18 ■ 3:00 - 7:30 pm

Moreland Fruit Farm ■ 1558 Moreland Rd, Wooster OH 44691



Featuring:

- Sprayer demonstrations with new and current sprayer technology
- Education and discussion on how sprayers can be used more effectively and efficiently
- A glimpse of the future: Introducing the Intelligent Sprayer technology
 - Prototype sprayer designed by USDA-ARS/OSU using laser guidance to automatically adjust spray volume and nozzle pattern based upon tree size, leaf density and plant spacing.
 - Trials have shown reductions in pesticide use of 47-70% compared to conventional orchard air blast sprayers
 - Annual chemical savings can amount to \$140 to \$280 per acre
- Resource people: Heping Zhu - USDA-ARS, Lead Scientist of the Intelligent sprayer and Erdal Ozkan - OSU Extension Sprayer Technology Specialist
- Sponsor displays, orchard equipment and supply exhibits

Registration: includes handout materials, refreshments, and a light supper for only \$5.00 per person, pre-register by **Thursday August 11**

For more information:

Rory Lewandowski, 330-264-8722, Lewandowski.11@osu.edu, wayne.osu.edu

Presented by:



Orchard Sprayer Technology Field Day

Registration cost is only \$5/person. Pre-registration requested to the Wayne County Extension Office at 330-264-8722 or email Lewandowski.11@osu.edu by **Thursday, August 11**. Make checks payable to Ohio State University Extension and mail to Ohio State University Extension – Wayne County, 428 W. Liberty St. Wooster, OH 44691. Please detach and return this form with payment. Thank you.

Name: _____

Address: _____

Phone Number: _____ E-mail: _____



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OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER
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2016 VEGETABLE WORKSHOP SERIES



2nd Thursday, April - October

North Central Agricultural Research Station
1165 County Road 43
Fremont, OH 43420

Topics

April 14: New Fungicide Strategies with Orondis™, Sally Miller, Plant Pathology

May 12: Scouting Cucurbits with Drones, Jim Jasinski, OSU Extension

June 9: Alternative Crop Enterprises – Barley and Hops – Are They an Option for You?, Eric Stockinger, Horticulture and Crop Science

July 14: The OSU Food Safety Program – What It Can Do for You, Beth Scheckelhoff, OSU Extension

August 11: Sweet Corn Evaluation, Field Walk, and Taste It for Yourself, Mike Gastier, OSU Extension

September 8: Pepper Evaluation and Field Walk – Bells, Bananas, Jalapenos, Allen Gahler, OSU Extension

October 13: Soil Health and Water Quality – How Does It Affect Me? A Look at Edge of Field Studies and NCARS Water Samples, Libby Dayton, School of Environmental and Natural Resources

Please join us at the North Central Agricultural Research Station, Fremont, OH, the second Thursday beginning April 14 through October 13 for breakfast, industry updates, in-depth tips, tricks, and information from researchers to help make your 2016 growing season a profitable one! Attend when the topic suits you or take advantage of each month's program

Registration

Free and open to the public

Bring your plant disease and insect samples to the OARDC Lab for identification and same day results, free of charge!

Free breakfast begins at 7 A.M. followed by the featured speaker, field walk and networking

For more information

Matt Hofelich

419-332-5142

hofelich.4@osu.edu

Allen Gahler

419-334-6340

gahler.2@osu.edu



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OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER
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Ohio State University Direct Marketing Food & Agriculture

2016 Webinar Series

One-hour webinars will be offered to bring exceptional speakers to your home, office or local Extension center. If you're interested in finding out more about marketing issues, visit the website for details.



2016 Direct Marketing Webinar Series All webinars begin at 12 noon

Date	Topic	Lead Presenter	Connection
Feb. 18	Marketing Trends Learned from the Super Bowl	Eric Barrett & Rob Leeds	http://carmenconnect.osu.edu/marketingtrends2016/
Mar. 2	Using All Your Senses in Branding Your Business	Eric Barrett & Rob Leeds	http://carmenconnect.osu.edu/brandingyourbusiness/
Apr. 21	Enhancing Your Web Presence	Melissa Carter	http://carmenconnect.osu.edu/enhancingwebpresence/
May 26	Product Recall & Traceability	Eric Pawlowski	http://carmenconnect.osu.edu/productrecallandtracability/
June 16	Product Labeling	Emily Adams	http://carmenconnect.osu.edu/productlabeling/
July 21	Celebrate Ohio Local Foods Week	Heather Neikirk & Patricia Barker	http://carmenconnect.osu.edu/localfoodsweek/
Aug. 18	Produce Auctions	Brad Bergefurd	http://carmenconnect.osu.edu/auctionsforproduce/
Sept. 15	Pricing Your Products	Megan Leffew	http://carmenconnect.osu.edu/pricingproducts/
Oct. 20	Cooperatively Marketing Your Products	Hannah Scott	http://carmenconnect.osu.edu/marketingyourproducts/
Nov. 17	Using Facebook For Your Business	Duane Rigby	http://carmenconnect.osu.edu/facebookforyourbusiness/
Dec. 15	Survey Results for Ohio Produce Marketers	Direct Marketing Team	http://carmenconnect.osu.edu/surveyresultsformarketers/

For recordings of all webinars go to go.osu.edu/DirectMarketingWebinars



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Submit Articles:

To submit an article to the VegNet newsletter please send the article and any photos to **Brad Bergefurd** at bergefurd.1@osu.edu or for questions regarding the newsletter call 740.289.2071 ext.132

About the editor

Brad Bergefurd

Bergefurd is an Extension Educator, Agriculture and Horticulture Specialist with Ohio State University Extension, with statewide responsibilities for outreach and research to the agriculture and commercial fruit and vegetable industries Brad has offices at the OSU Piketon Research & Extension Center in Piketon and at OSU Extension Scioto County in Portsmouth.



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