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)
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
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

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.

USDA is an equal opportunity provider, employer and lender.
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
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 937-372.9971 x123
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.
- 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

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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:________________________

The Ohio State University
College of Food, Agricultural, and Environmental Sciences

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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 NOARS 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

The Ohio State University
COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES

oardc.osu.edu | extension.osu.edu

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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

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

http://directmarketing.osu.edu

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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.