

VegNet *The Vegetable and Fruit Crops Teams Newsletter*

<http://vegnet.osu.edu>

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Hardin County Report

from Mark A. Badertscher, Agriculture and Natural Resources Educator, OSU Extension Hardin County

It has been dry in Hardin County and the crops are starting to show signs of needing rain. We have had up to a quarter of an inch of rain in the past week. The Scioto Valley Produce Auction near Mt. Victory had a variety of fruits and vegetables for sale this week. A good-sized crowd showed up for the auction to purchase quantities of tomatoes, peppers, beets, zucchini, green beans, red potatoes, cucumbers, squash, cantaloupe, cabbage, onions, strawberries, cauliflower, kale, and bi-color sweet corn. Auctions are Tuesdays and Fridays at 1:00 pm.



Good attendance for the auction
Photos by Mark Badertscher

2014 Upcoming Events

July 29 - Hops Field Night at Marysville, Ohio. See page 7 for full details.

July 31 - Pepper Field Night. For more information contact Matt Hofelich 419-332-5142, hofelich.4@osu.edu

July 31 - Muck Crops Field Night. Contact Robert Filbrun at filbrun.12@osu.edu

August 12-Hops Workshop in Cleveland, Ohio. See page 9 for details.

August 14-Hops Production Twilight Tour (field night) at OSU South Centers in Piketon, Ohio. See page 8 for details.

Northwest Ohio Update

*from Matt Hofelich Research Station Manager,
CAES, North Central Agricultural Research Station*

The areas first sweet corn and pickling cucumbers were harvested on Friday, July 11, 2014 with excellent quality. This week harvest should begin to ramp up as plantings have progressed with the past weeks warm temperatures and adequate moisture. Area cantaloupe and water melon planting are looking good. Full netting has been observed in some area planting of cantaloupe. Angular leaf spot has been observed and confirmed in a few melons and cucumbers. Early planted peppers have set fruit and are beginning to size. Early maturing processing cabbage varieties are headed and approximately 2 weeks away from harvest. Processing tomatoes are as well moving along. Early planted fields have good fruit set which is sizing nicely. Bacterial disease is present in many tomato fields brought on by the warm, wet, and humid weather much of the area has experienced over the past few weeks. All are reminded of the upcoming Pepper Field Night July 31, 2014 that will be held at the North Central Agricultural Research Station at 1165 CR 43 Fremont, Ohio starting at 6:00 pm. For more information contact Matt Hofelich 419-332-5142, hofelich.4@osu.edu.



Above– USDA IR–4 minor use label on herbicide

Right top-Dr. Sally Miller pumpkin fungicide trial to control bacteria

Right bottom-bell pepper development in 2014 variety trials

Photos by Matt Hofeliche



Wayne County IPM Scouting Program Update

from *Rory Lewandowski, Extension Educator, Agriculture and Natural Resources*

Spotted Wing Drosophila (SWD) was identified in Wayne County from trap samples on July 16, 17 and 21. In each case a solitary female SWD was found. Produce auction managers in the area have been notified as well as growers on the IPM scouting program and spray schedule charts from Celeste Welty have been provided.

In vegetables, the main pest problems that scouts are finding in grower fields continues to be bacterial diseases. Bacterial spot has moved onto tomato fruit in some cases (See photo by IPM scout Art Sigler). Bacterial spot on pepper is increasing in incidence. Angular leaf spot is commonly being found on vine crops. Early blight is being found on many tomato plants. The incidence of powdery mildew on vine crops is increasing over the past week. Tomato hornworms have been found by scouts in some high tunnel tomatoes (See photo by IPM scout Christine Smedley).

The IPM scouting program participated in the produce grower crop walk at the Dan Hershberger farm the evening of July 22 (See attached photos). There were a range of vegetable crops and vegetable varieties available to look at. OSU Extension specialists Matt Kleinhenz, Doug Doohan, Celeste Welty and Fulya Baysal-Gurel from Sally Miller's lab were on hand to lead discussions, and help with identification and diagnosis.



Tomato hornworms

Photo by IPM scout Christine Smedley



Powdery mildew on squash

Photo by Rory Lewandowski



Bacterial spot or speck on tomato fruit

Photo by IPM scout Art Sigler



Zucchini on Hershberger farm

Photo by Rory Lewandowski

Wayne County IPM Scouting Program Update Continued

from *Rory Lewandowski, Extension Educator, Agriculture and Natural Resources*



Tomatoes staked and bearing fruit at the Hershberger farm

Photo by Rory Lewandowski



Crop walk at Hershberger farm, Fulya Baysal-Gurel explaining diseases

Photo by Rory Lewandowski

OSU South Centers Update at Piketon

from *Ryan Slaughter, Research Assistant OSU South Centers*

Blackberry harvesting began Monday in the Blackberry Winter Hardiness Trial. Both the quality of the berries and cane vigor is down. Most likely this is due to the extreme winter we had this year. Another level of string was adding to the tomatoes this week, plants in this trial look healthy. Regular fungicide treatments were sprayed on hops, pumpkins, and tomatoes. Pesticides were applied to pumpkins for control of cucumber beetle and to tomatoes for a variety of pests.



Above-student worker tying up tomatoes

Right top-Ripening Blackberry

Right bottom-Cane collapse after berry set

Photos by Ryan Slaughter



Southern Ohio Vegetable and Fruit Update

from Brad Bergefurd, Ohio State University Extension Educator, Ohio State University Extension Scioto County and OSU South Centers

Growing and field conditions remain somewhat dry for a majority of the growing area, however some locations received isolated rainfall 7/20 through 7/23 which slowed field work some. Supplemental irrigation continues to be run by most growers, including trickle irrigation, center pivots and big guns. The heat and higher temperatures returned this week increasing harvests of cantaloupe, watermelon, sweet corn and green beans with outstanding yields, demand and quality being reported. Demand and prices remain high for most vegetable crops at local produce auctions. Sweet corn harvest remains in full swing throughout most of the area with great demand and increased harvest this week with the higher night time temperatures. Blackberry harvest on rotatable cross arm trellis systems is in full swing with high yields, high prices and great demand being reported. Pinching and training of primocanes continues on standard trellis and rotatable cross arm trellis blackberry systems. Harvest of field cucumber, pickle, summer squash, zucchini, sweet onion, new potato, tomato, sweet corn, cabbage, red beets, head and leaf lettuce, chives, basil, leeks, continues. Harvest of high tunnel tomato and cucumber continues, but is beginning to wind

down with indeterminate tomato varieties being topped. Disease and insect pressures continues and preventive fungicide and insecticide spray applications continue to be tightened up and are being applied on a regular schedule. Severe cucumber beetle outbreaks have been reported in the Calcutta, Ohio area on watermelon and cantaloupe. Weed pressure continues in all vegetable and fruit fields. Cultivation, hand hoeing and pre and post emergent herbicide applications continue to be performed. Direct seeding and transplanting of all vegetable crops continues with a few plantings of sweet corn going in yet this week. Planting of cucumbers, pickles, fall onions, and green beans continue. Broccoli, cauliflower and cabbage for fall crops continue to be transplanted. Staking and stringing of tomatoes, cucumbers and peppers continues. Ground continues to be worked, fertilizer spread, beds formed, fumigants applied, herbicides applied and plastic and drip lines installed in preparation for planting of plasticulture strawberry. Harvest of moderate day-neutral San Andreas strawberry variety continues, with good quality and high demand being reported. Harvest of blackberry on Rotating Cross-Arm Trellis Systems is in full swing.



1 & 2) Green Bean harvest is in full swing throughout Ohio
Photos 1 & 2 by Paige's Produce
Photo 3 by Witten Farms
Photo 4 by Randy Delposen

3) Cantaloupe harvest is in full swing in southern Ohio, here is a 10 pounder

4) Cucumber beetle outbreaks are being reported in cantaloupe and watermelon in Calcutta, OH

Muck Crop Update

from Robert Holthouse of D.R. Walcher Farms and Holthouse Farms



Cabbage Harvester



Cabbage



Multiple heads of cabbage



Cabbage Harvesting



Yellow squash harvesters



Yellow squash



Summer squash field



Yellow squash bins

All photos by Robert Holthouse

THE OHIO STATE UNIVERSITY EXTENSION



Starting to Grow Hops Field Day

Learn about these topics:

- Starting your own hops production
- Startup expenses
- Labor
- Variety selection
- Economics
- Pest control
- Irrigation
- Packaging and processing procedures.

The first part of the day will include presentations and the afternoon will be in the field.

Tuesday, July 29, 2014

Buckeye Room
Union County Agricultural
Center
18000 St. Rt. 4, Marysville, OH
43040

Cost: \$25

Time:

Registration is from
9:00 a.m. – 9:30 a.m.

Workshop starts
at 9:30 a.m.

Contact:

Amanda Douridas
douridas.9@osu.edu
937.644.8117

REGISTRATION INFORMATION

Name(s) _____

Organization _____

Address _____

Phone _____ Email _____

Please mail registration to: Union County Extension, 18000 St. Rt. 4, Suite E, Marysville, OH 43040
Cash or checks accepted. Make checks payable to OSUE.



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Hops Production Twilight Tour

**OSU South Centers
Piketon, Ohio**

Hosted by Brad Bergefurd



Topics to be covered:

- Trellis construction
- Planting of hops rhizomes
- Training of bines
- Drip irrigation
- Landscape fabric, weed control
- Insect management
- Food Safety & Good Agricultural Practices (GAPS)
- Hops for Ohio craft brewers
- Harvesting
- Processing
- Ohio MarketMaker & marketing techniques
- Disease management
- Variety evaluations
- Yard establishment economics

Special Guests:

- The Ohio Department of Agriculture
- Columbus Irrigation Co. LLC



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Thursday

August 14, 2014

6:00 p.m. — 9:00 p.m.

Location:

OSU South Centers
Endeavor Room 160
1862 Shyville Road
Piketon, Ohio

Cost: \$15.00

To Register:

Go to <http://go.osu.edu/hopsfieldnight>
You may also contact Charissa
McGlothlin at 740.289.2071 ext.
132 mcglothlin.4@osu.edu

Deadline to register:

August 12, 2014

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Hops Field Night

Ohio State University Extension
Cleveland, Ohio

Hosted by Jacqueline Kowalski

Learn about these topics:

- Starting your own hops production
- Startup expenses
- Labor
- Variety selection
- Economics
- Pest control
- Irrigation
- Packaging and processing procedures
- Ohio MarketMaker & marketing techniques

Tuesday

August 12, 2014

6:00 p.m. — 9:00 p.m.

Location:

OSU Extension Office
5320 Stanard Ave.
Cleveland, OH. 44103

Cost: \$20.00

To Register:

Contact Jacqueline Kowalski
216.429.8200 Ext. 217
Kowalski.124@osu.edu

Deadline to register:

August 8, 2014



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COLLEGE OF FOOD, AGRICULTURAL, AND
ENVIRONMENTAL SCIENCES

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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.



Brad Bergefurd, MS

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