



VegNet

The Ohio State University Extension Vegetable Crops

Volume 21. Number 3. March 25, 2014. <http://vegnet.osu.edu>

In this issue:

Ohio Fruit and Vegetable Industry Loses Good Friend and Supporter William "Bill" McNutt

Spotted Wing Drosophila Workshop

Pike County Cover Crop Workshop

A Primer on Major Approaches to Vegetable Nutrient Management

Weed control in organic farming webinar series available online

Entry level IPM scout position available

Organic Food and Farming, Education and Research (OFFER) program spring meeting

Cincinnati Farmers Market Management Seminar

GAPS training opportunities

Tree Fruit Pruning Clinic (Canfield, Ohio)

FDA extends comment period for FSMA proposal

Crop Reports

Ohio Fruit and Vegetable Industry Loses Good Friend and Supporter William "Bill" McNutt-

Mark Mechling, Associate Professor, Extension Educator, Agriculture and Natural Resources, Muskingum County

William "Bill" McNutt was a close friend of many Ohio fruit and vegetable growers and was past Director of Ohio Produce Growers Association. He wrote many media articles on OSU fruit and vegetable and marketing research and programs and wrote feature articles on Ohio fruit and vegetable growers. He will be missed by the Ohio fruit and vegetable industry.

http://www.legacy.com/obituaries/dispatch/obituary.aspx?n=william-mcnutt-bill&pid=170289149&eid=sp_shareobit

Spotted Wing Drosophila Workshop - Celeste Welty, Extension Vegetable Entomologist & Jim

Jasinski, Extension IPM Program

Growers of berry crops in Ohio should be prepared to manage a new invasive pest, the spotted wing Drosophila, if it finds its way to their farms this year. This pest was found at many farms in Ohio from May through September 2013, mostly in blackberries, raspberries, and blueberries, but also in peaches and grapes. The adult is a tiny fruit fly that lays its eggs in maturing berries before they are harvested. The eggs hatch into tiny larvae that ruin the fruit within a few days. Infestations can escalate to high levels if not controlled.

Can you identify and manage this pest if it shows up on your farm? If not, join us for a workshop on spotted wing Drosophila that focuses on identification, monitoring, and management being held on Wednesday, 30 April, from 9 A.M. until 12 noon, in Columbus. We welcome crop consultants, crop scouts, Extension educators, fruit growers, ag-chem company representatives, and other interested people. There is no fee to attend but the workshop is limited to only 30 participants. Register for the meeting by Monday, 31 March, using this link: <https://www.surveymonkey.com/s/OHswd2014>. For anyone without internet access, register by a phone call to Celeste Welty at 614-292-2803.

The workshop will include an overview of the pest's biology and management, its distribution within Ohio, identification of both male and female spotted wing Drosophila using microscopes, identification of similar flies found in traps, practice in sorting target from non-target flies, details about trap deployment and maintenance, details about trap reporting via the 'MyTraps' website, and take-home kits with trapping supplies and reference specimens.

The workshop will be held in room 115 of Howlett Hall, 2001 Fyffe Court, Columbus, Ohio 43210 on the OSU campus at Columbus. This is building #295 on the OSU campus map, which can be found using this link: <http://www.osu.edu/map/building.php?building=295>.

Pike County Cover Crop Workshop- Charissa McGlothin, Program Assistant-Horticulture, Soil, Water & BioEnergy, Ohio State University Research & Extension, South Centers, Piketon, Ohio FREE cover crops workshop brought to you by the Pike SWCD. To be held on this Thursday, March 27th, at the Pike County Government Center. Come join us for a presentation from a representative from Walnut Creek Seeds of Carroll, Ohio to learn about incorporating cover crops into your rotation. Explore the benefits, various seed and seed mixes, planting methods, and management of these crops. COVER CROPS can improve plant growth and the health of your soil. Learn how this practice can benefit you! Come join us for a presentation from a representative from Walnut Creek Seeds of Carroll, Ohio to learn about incorporating cover crops into your rotation. Explore the benefits, various seed and seed mixes, planting methods, and management of these crops. Reservations are required. To register or for more information, please call the Pike SWCD office at (740) 947-5353

A Primer on Major Approaches to Vegetable Nutrient Management- M.D. Kleinhenz,
Extension Specialist, Horticulture and Crop Science, The OSU-OARDC

Most of the comprehensive vegetable crop nutrient management programs that rely on synthetic fertilizers currently tend to include parts of two major schools of thought on how crop fertility should be managed. This article describes these overall approaches briefly. The next article in this set will outline research that has compared the approaches directly.

The Deficiency Correction (DC) approach is the so-called “feed the crop” school of thought. Deficiency Correction emphasizes achieving a crop response with each fertilizer application. In fact, those who favor DC supply nutrients only if a definitive crop response can be expected. A DC-based program requires that three steps be taken before recommendations are provided or fertilizer is applied. First, rigorous soil testing must identify the yield-limiting nutrient(s). Second, research must document crop yields at a wide range of soil test levels. Finally, additional research must be completed to determine how much fertilizer is required for optimal yields at different soil test levels. If these conditions are satisfied, a DC-based approach can provide three advantages. First, fertilizers will be applied only if they increase yield. Second, the program may be economical. Third, the program may be environmentally-friendly. DC-based approaches may appeal to growers because they can help identify “economic maximum yields” – yields at which farmers make the most profit from fertilizer use.

The Maintenance approach is the so-called “feed the soil” school of thought. Maintenance emphasizes achieving specific nutrient levels in the soil. Maintenance-based approaches tend to set specific soil test levels as goals and calls for fertilizer application to build the soil so that it will reach test levels determined to be ideal. Maintenance-based approaches help determine when to fertilize in order to keep soil test levels at or above the point of “economic maximum yield.” However, Deficiency Correction and Maintenance approaches may set the economic maximum yield somewhat differently. For example, Maintenance may trigger fertilizer application at critical soil test levels that are higher than used in Deficiency Correction.

Nutrient Removal (NR) approaches dominated commercial crop production before soil testing, research and synthetic inputs reconfigured soil and fertility management. Nutrient Removal approaches acknowledge that crops remove nutrients from the soil and that nutrients must be returned there for continued production. However, strict adherence to NR approaches does not rely on testing, use reference or target soil levels, or focus on crop response over small periods of time (e.g., individual seasons or parts of season). NR also tends to involve the exclusive use of residues, organic amendments and similar materials.

Weed control in organic farming webinar series available online- Doug Doohan, Extension Specialist, Horticulture and Crop Science, The OSU-OARDC

The weed control in organic farming webinar series is now completed. Here is the link to where videos of the presentation are hosted for free viewing:

<http://www.ydae.purdue.edu/oarei/webinars.html> or on YouTube at :

<http://www.youtube.com/playlist?list=PLtXSf1tu3Jd9JJeTWhkrfXrSLzVk7fJEI>

Entry level IPM scout position available- Rory Lewandowski, Extension Educator, Agriculture and Natural Resources, OSU Extension Wayne County

Integrated Pest Management (IPM) scout, Wayne County Extension. 30-40 hrs/week April 28 – August 29. Weekly scouting of agronomic and horticultural crops. Agricultural or biology background preferred. Some knowledge of common weed, insect and disease pests helpful. Must be able to work in outdoor environment and capable of walking most of the day. Basic computer skills, attention to detail and willingness to learn are necessary qualities. Pay rate: \$10/hr. Need to provide own vehicle, mileage reimbursed.

To apply, fill out an on-line application at: jobsatosu.com, search requisition # 381043

For more information, contact the Wayne County Extension office at 330-264-8722.

The Organic Food and Farming, Education and Research (OFFER) program will be having their spring meeting- Brian B. McSpadden Gardener, Ph.D., Director, Organic Food, Farming, Education & Research Program, Department of Plant Pathology, The Ohio State University - OARDC

The Organic Food and Farming, Education and Research (OFFER) program will be having their spring meeting at Fisher Auditorium in Wooster from 10 am until 3 pm on Tuesday, April 7.

The program will highlight currently active research projects related to organic crop production going on at OSU and Purdue. And, it will provide an opportunity for you to share your knowledge and questions with stakeholders and other researchers interested in promoting your success. Lunch will be provided, so advanced registration is required.

If interested in attending, please **RSVP to Kathy Bielek** bielek.4@osu.edu **no later than April 3rd.**

Cincinnati Farmers Market Management Seminar- Christie Welch, Farmers' Markets Specialist, The Ohio State University, South Centers, Piketon, Ohio

Plan to attend this Farmers Market management seminar in Cincinnati on April 7th from 7 to 9 p.m. at Terwilliger's Lodge, at Dulle Park. (Montgomery area) as part of the Farmers Market Management Network (www.fmmn.org). This meeting is for the markets from the southwest part of Ohio. The seminar will cover:

1. Best, low, no cost marketing
2. Food safety

3. Networking
4. SNAP, EBT
5. Cottage foods

Feel free to share this information with your markets. There is no charge for this event.

Directions: From I-71, get off at Pfeiffer Rd/Exit 15. If coming from the north, turn left and head back under the highway. From the south, bear to the right and head east/toward Montgomery Rd. Go two stop signs to Deerfield Rd. and turn left. In about 1/2 mile, Dulle Park is on the right. From Montgomery Rd., turn onto Pfeiffer Rd. At first stop sign, turn right onto Deerfield Rd. In about 1/2 mile, Dulle Park is on the right.

GAPS training opportunities- Lindsey M Hoover, Coordinator, Dept of Horticulture and Crop Sciences

If you need a more in-depth class training on good agricultural practices (GAPS) on the produce farm, visit <http://producesafety.osu.edu/events> to find a program near you!

Tree Fruit Pruning Clinic- Eric Barrett, Extension Educator & Assistant Professor, Mahoning County, OSU Direct Food & Ag Marketing Team, Canfield, Ohio.



2014 Fruit Tree Pruning Clinic

Saturday, April 12, 2014 @ White House Fruit Farm

Learn how to prune fruit trees, (apples, peaches), as well as blueberries and brambles. The class will be held rain or shine. Dress warm for outdoor activities (rugged shoes or boots). **Bring a lawn chair if you would like a seat.** We will have gardening publications for sale.

Saturday Afternoon Agenda

- 1:00 Introduction and Overview of Tools
- 1:30 Pruning New Fruit Trees
- 2:15 Pruning Established Trees
- 3:00 Pruning Brambles and Blueberries
- 3:45 Questions, Evaluations, Door Prizes
- 4:00 Adjourn



9249 St Rt 62 (Youngstown-Salem Rd.) Canfield, OH 44406



Presenters

Eric Barrett

OSU Extension Mahoning County
Dave Hull & David Hull
White House Fruit Farm



Ohio State University Extension
Information Call: 330.533.5538 <http://mahoning.osu.edu>

Pre-Registration Required. A \$20 registration fee per person includes a set of **hand pruners** or **folding pruning saw** and handouts explaining the pruning process.

Name(s) _____

Address _____

City _____ State _____ Zip _____ Day Phone _____

E-mail _____

Complete Registration, Detach and Return with \$20 check. Make check payable to OSU Extension and mail to: **OSU Extension Mahoning County, 490 S. Broad St. Canfield, OH 44406**



CFAES provides research and related education programs to clientele on a nondiscriminatory basis. For more information: <http://go.osu.edu/cfaesdiversity>

FDA extends comment period for FSMA proposal – from The Packer, Tom Karst 3/24/14
The Food and Drug Administration is extending the comment period on the proposed rule on intentional adulteration of food through June 30. The comment period on the proposed rule, published in December, had been set to end by late March. The rule is part of the Food Safety Modernization Act. The 90-day extension on the “Focused Mitigation Strategies to Protect Food Against Intentional Adulteration,” and the associated Draft Qualitative Risk Assessment was published March 24 in the Federal Register. Under the proposed rule, a food facility would be required to have a written food defense plan that addresses significant vulnerabilities in its food production process, according to a news release from the FDA. Facilities then would need to identify and implement strategies to address these vulnerabilities, according to the release.

Those strategies include establishing monitoring procedures and corrective actions, verify that the system is working, ensure that personnel assigned to the vulnerable areas receive appropriate training and maintaining records, according to the release. The proposed rule does not apply to farms and food for animals, according to the release. - See more at:

http://www.thepacker.com/fruit-vegetable-news/FDA-extends-comment-period-for-FSMA-proposal-251965131.html?utm_source=6901D2517689D3P&utm_medium=eNL&utm_campaign=Produce+Pulse_20140324&utm_term=&utm_content=#sthash.iGksqwil.dpuf

FREE webinar on the topic MarketReady, Selling to Schools- The OSU Direct Marketing Team The Direct Marketing team will be hosting the **FREE** webinar on the topic MarketReady, Selling to Schools this **Thursday, March 27th**. Mike Hogan is the lead presenter of this topic. The webinar will start at 12 noon (it works best to log in a few minutes early). To be a part of this discussion go to <http://carmenconnect.osu.edu/schoolmarket> If you are an OSU staff member click on the **OSU login** tab that allows you to log in using your OSU username and password. If you are a guest click on the **Guest login** tab to enter, when prompted for a log in name under Guest, just enter your name. If you have any problems getting in to the webinar, please call Charissa at 740.289.2071 ext. 132.

CROP REPORTS

Wayne County Report- Rory Lewandowski, Extension Educator, Agriculture and Natural Resources, OSU Extension Wayne County
Fruit tree pruning continues. Over 40 growers are registered to attend the March 27 Produce Safety GAP training at OARDC Fisher Auditorium.

North central/northwest Ohio Report- Allen M. Gahler, Extension Educator, Ag and Natural Resources, OSU Extension Sandusky County & Matt Hofelich, Research Station Manager, North Central Agricultural Research Station, Fremont, Ohio

- Seeding of commercial processing and fresh market cabbage in the greenhouses started March 15th and continues.
- First processing tomato seeding started this week 17th -21st.
- With current weather conditions and extended forecast for next week some growers holding off an extra week before seeding.
- Currently snowing in Sandusky county with ½ inch accumulation and overnight lows in the teens until Thursday
- Some growers have taken advantage of frozen topsoil the last few mornings with tillage work being done on sandy ground.

OSU South Centers Report- Thom Harker, Research Assistant, OSU South Centers, Piketon, Ohio

Pruning of continues with blueberries and brambles. Piketon hops yard still dormant. Spring tillage continues of local farms. Seeding of tomato transplants continues.

Report from Cleveland- Jacqueline Kowalski, Extension Educator, Agriculture and Natural Resources, Cuyahoga County Extension

The ground is still frozen here and most work has been done in high tunnels and greenhouse during the last week. Growers are seeding their warm season crops indoors for outdoor production. We did see some aphids in at least two tunnels last week. We are encouraging fruit growers to finish up their winter (now spring) pruning.

Southern Ohio Vegetable and Fruit Update- Brad Bergefurd, OSU Extension Educator, OSU Extension Scioto County and OSU South Centers

The first Sweet corn has been planted under plastic this week, see the pictures from Rainsboro Produce in Rainsboro, Ohio. Tomato planting continues in high tunnels and growers are not getting much sleep with being up most of the night keeping the tunnels heated with wood and propane heaters. High tunnels for end of April planting are being fumigated. Fields continue to be plowed (chiseled and moldboard), anhydrous Ammonia is being applied, dry fertilizer and lime is being spread, pre-emerge herbicides are being sprayed on sweet corn, bramble, strawberry and asparagus fields. Tree fruit pruning in commercial orchards continues. Apples continue to be graded and packed with good market demand and quality.



Dust is flying as ground is being worked
Rainsboro, Ohio
(photos by Thom Harker)

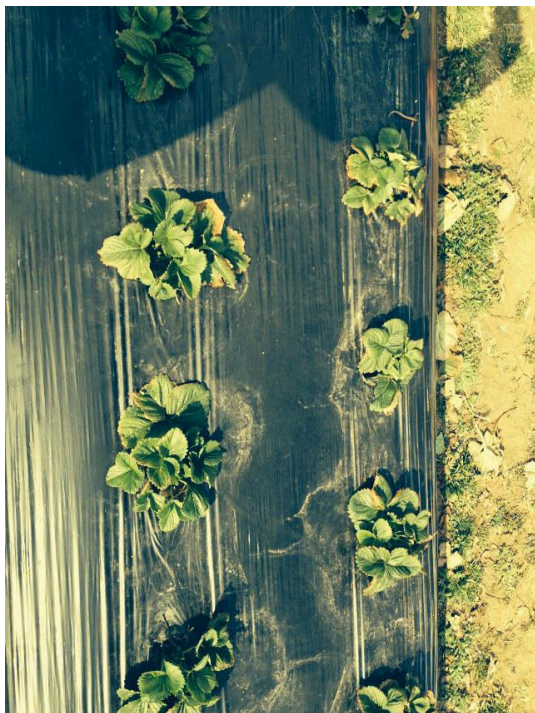
High tunnel tomatoes planted last week in



Sweet corn has been planted under plastic this week though today it was being snowed on (photo by Thom Harker)



Chandler plasticulture strawberries remain covered with snow cover today (photo by Thom Harker)



Plasticulture strawberry leaves were cleaned and weeded this week (Photo Welch Farms, Chillicothe)

High Tunnel Crop Report- Elaine Grassbaugh, Research Associate & Staff Advisor to the OSU Student Farm, Columbus Ohio

During two recent nights of very cold temperatures (10 and 14 F) kale, buttercrunch lettuce, and bunching onions were able to survive the bitter cold in our unheated high tunnel in Columbus. Minimum temps in the high tunnel were recorded at 14 and 17 degrees, respectively. Plants were covered with two layers of frost blanket and two layers of plastic set up on temporary low tunnel hoops. Plants are still looking good despite last nights temps (3/24) in the tunnel reaching down again to 14 degrees F. Some outer leaves on the kale show minimum cold injury, but the leaves in the crowns look green and healthy.

Disclaimer Information presented above and where trade names are used, they are supplied with the understanding that no discrimination is intended and no endorsement by Ohio State University Extension is implied. Although every attempt is made to produce information that is complete, timely, and accurate, the pesticide user bears responsibility of consulting the pesticide label and adhering to those directions. Ohio State University Extension embraces human diversity and is committed to ensuring that all research and related educational programs are available to clientele on a nondiscriminatory basis without regard to race, color, religion, sex, age, national origin, sexual orientation, gender identity or expression, disability, or veteran status. This statement is in accordance with United States Civil Rights Laws and the USDA. Keith L. Smith, Associate Vice President for Agricultural Administration; Associate Dean, College of Food, Agricultural, and Environmental Sciences; Director, Ohio State University

Extension and Gist Chair in Extension Education and Leadership. TDD No. 800-589-8292 (Ohio only) or 614-292-1868.