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OHIO STATE UNIVERSITY EXTENSION

January 2018

Ohio—Northwest Region

Agriculture and Natural Resources Newsletter



THE OHIO STATE UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES

OHIO STATE UNIVERSITY EXTENSION

Ag & Natural Resources Staff in Northwest Ohio

Ag and Natural Resources Extension Educators & Program Coordinators

This newsletter is being mailed to **ALL northwest Ohio pesticide applicators, regardless of current pesticide license status. ODA sends a letter to applicators needing to renew, a \$30 fee will need to be returned to them. The ODA fee is in addition to the fee required by the county you attend to renew.**

Maumee Valley EERA

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http://defiance.osu.edu
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clevenger.10@osu.edu

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Top of Ohio EERA

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Erie Basin EERA

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Wood County
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Nutrient Management Plan Writers

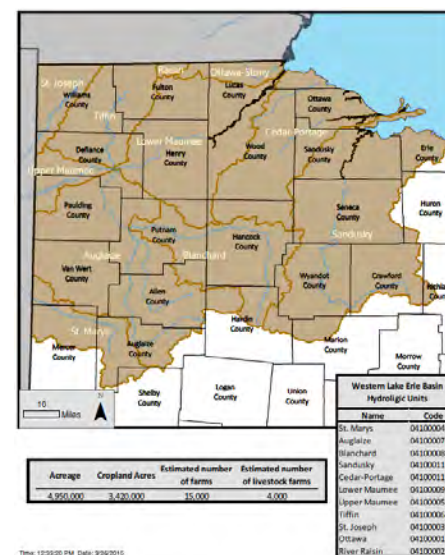
Nutrient Management Plan Writers Are Still At Work In The Western Lake Erie Basin In 2018

Nutrient Management Plan Writers are still working for the 2018 year in the Western Lake Erie Basin to write free plans for non-CAFO farmers. Our goal is to complete 65,000 acres for NMP's in 2018. These plans are written free of charge to farmers and require a small amount of your time and effort. As the plan writer we gather information that is pertinent to your farm such as your crop rotations, tillage practices, current (within three years) soil test results, yield goals, conservation goals, where water is and more. Then we take that information and work it into several computer programs to complete a NMP or CNMP for your farm. These plans may be required for many financial institutions when building new livestock structures. They may also help with your plan to apply for EQIP funding through NRCS and serve as affirmative defense through SWCD. The NMP may help you reduce your fertilizer cost and provide 4R recommendations for nutrient stewardship practices for your farm.

All four NMP Writers are available to work with anyone from the WLEB and if you would like to discuss a NMP or CNMP for your farm please contact one of us at our offices:

- Jessie Schulze – Defiance County – 419-782-4771
- Linda Lauber – Fulton County – 419-337-9210
- Tony Campbell – Paulding County – 419-399-8225
- Brittany Sieler – Wood County – 419-354-9050

You can also contact any of your county Extension Ag Educators who can forward the information to us. Check out our website at: <http://agcrops.osu.edu/>



Aquaculture Team

<https://southcenters.osu.edu/>

Beef Team

<http://u.osu.edu/beefteam/>

Dairy Team

<http://dairy.osu.edu/>

Meat Goat Team

<http://ohioline.osu.edu/factsheet/14>

Poultry Team

<http://u.osu.edu/poultry/>

Sheep Team

<http://sheep.osu.edu/>

Swine Educators Team

<http://porkinfo.osu.edu/>

OSU Extension Agriculture Business Management Teams

<http://agnr.osu.edu/programs/business-management>

OSU Extension Horticulture & Specialty Crops Teams

<http://agnr.osu.edu/programs/horticulture-specialty-crops>

OSU Extension Small Farm Programs

<http://agnr.osu.edu/small-farm-programs>

OSU Extension Natural Resources & Environmental Teams

<http://agnr.osu.edu/programs/natural-resources-environmental>

Ag Law & Taxation Staff:

Peggy Kirk Hall, J.D., Assistant Professor, Field Specialist, Agricultural & Resource Law, 937-645-3123, hall.673@osu.edu

Julie Moose, Program Assistant, Agriculture Law and Income Tax Schools, 614-292-2433, moose.14@osu.edu

Barry Ward, Director, OSU Extension Income Tax School Program, 614-688-3959, ward.8@osu.edu



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Ohio Farm Management Enterprise Budgets

are budgets with Ohio statistics for corn, soybeans, wheat, alfalfa hay, alfalfa haylage, and corn silage. Ohio State University Extension also has budgets for beef, dairy, sheep, and swine. All of these budgets are in MS Excel spreadsheets so that you can put your own numbers in to see how things pencil out for your operation.

These are available online at

<http://farmoffice.osu.edu>

Ohio Private Pesticide Applicator's Recertification/License Categories

The following are the categories in which you can be a licensed private pesticide applicator:

CORE—As part of their training for using pesticides legally and safely, every licensed pesticide applicator must have CORE.

1 - Grain and Cereal Crops

Application of restricted-use pesticides, except fumigants, to agronomic field crops including, but not limited to, corn, grain, sorghums, other small grains, soybeans, and sweet corn; and application of specialty uses (see Category 7).

2 - Forage Crops and Livestock

Application of restricted-use pesticides, except fumigants, to crops grown primarily for use as hay, forage, fodder, or ensilage, and includes, but not limited to, such crops as corn and legumes, and to domestic animals which are held as agricultural commodities and their quarters; and application of specialty uses (see Category 7).

3 - Fruit and Vegetable Crops

Application of restricted-use pesticides, except fumigants, to orchard fruit crops, and small fruits including, but not limited to, strawberries, brambles, and grapes, field-grown vegetables, sugar beets, sweet corn, and other horticultural crops grown primarily for human consumption; and application of specialty uses (see Category 7).

4 - Nursery and Forest Crops

Application of restricted-use pesticides, except fumigants, to commercial nursery crops including, but not limited to, trees, shrubs, grasses, and herbaceous plants produced for replanting for their ornamental value or for future fruit production; and tree crops produced for use as Christmas trees or for their utilitarian value; and application of specialty uses (see Category 7).

5 - Greenhouse Crops

Applications of restricted-use pesticides, except fumigants, to crops grown for food production or ornamental value under an impervious surface large enough to permit worker entry; and application of specialty uses (see Category 7).

6 - Fumigation

Application of restricted-use fumigants to soil, grain storage, greenhouse areas or any other confined areas; and application of specialty uses (see Category 7).

7 - Specialty Uses

Applicator only needs this category if he or she does NOT hold one or more of categories (1-6).

AgBMPs

<http://agbmps.osu.edu>

Private and public dollars available to address erosion and nutrient loss concerns from agricultural production fields are limited. A cost effective way to reach conservation goals to reduce erosion and nutrient losses is to identify field situations with potentially higher risk [Critical Concerns](#), then match potential [Best Management Practices \(BMP's\)](#) for implementation with the field situation and management used.

Resources are limited for professionals from Soil and Water Conservation Districts (SWCDs), State Agencies and the Natural Resources Conservation Service (NRCS) to cover the landscape identifying critical concerns for farmers/landowners. The intent of this website is to empower farmers/landowners with the knowledge necessary to identify the high risk situations that exist in their farm fields and the ability to know when to seek professional help for implementing cost effective conservation. This website provides a summary of critical concerns found in the landscape and in agronomic farm plans, a review of potential Best Management Practices (BMPs), and a list of resources and people/agencies to contact.

OSU Extension Grape and Wine Research

<http://ohiograpeweb.cfaes.ohio-state.edu>

If you are novice to this cash crop or wanting to refresh your knowledge about commercial grape and wine production in Ohio, please visit the "Grape Growing" and "Wine Making" pages. To keep abreast of the current situation in Ohio vineyards, learn about research updates from the OSU Team, check out the "Newsletter" page. Our Team has also developed several Extension bulletins and factsheets listed under "Resources" and one-click away for downloading on your electronic device. Our goal is to increase accessibility of our work at OSU to the general public.

OSU Agronomic Crops Team

<http://agcrops.osu.edu/>

The Agronomic Crops Team is a multi-disciplinary group of Extension Agents, State Specialists and Researchers from Ohio State University Extension, The Ohio State University and Ohio Agricultural Research and Development Center. Disciplines included on the Team: Soil Sciences, Agronomy, Plant Pathology, Entomology, Agricultural Engineering, Weed Science.

Ohio Nutrient Management Record Keeper Appwww.onmrk.com

Ohio Nutrient Management Record Keeper (ONMRK) is a computerized recordkeeping system that syncs with your smartphone or tablet to create a simple, easy, and quick way to record all of your fertilizer and manure applications from the field. The free app works on tablets, iPads, and smartphones. It can be downloaded from the Google Play Store for Android devices and App Store for Apple devices.

To get started, simply go to the app's website www.onmrk.com. After setting up your account, enter your farm and field information. Download and open the app on your smartphone or tablet and enter your applicator key. All of the data that has been entered on your computer will now synchronize with your smartphone or tablet. The app features drop-down menus and quick entry fields which make it fast and easy to enter the required information.

Healthy Soils — Healthy Environment<http://soilhealth.osu.edu>

The Healthy Soils – Healthy Environment is an Ohio State University Extension Signature Program that will create a Soil Health Education and Outreach Network comprised of OSU researchers, Extension educators and 4-H educators. The program's long-term goal is to help improve Ohio's Soil Health and Environment by educating farmers, youth and the general public.

Weed Science/Management Information from Ohio State<http://u.osu.edu/osuweeds/>

Get help with field crop weeds questions and answers. Find help with weed identification. Get the latest information on critical questions with herbicides from Dr. Mark Loux's blog.

Buckeye Yard & Garden Online<http://bygl.osu.edu>

Buckeye Yard and Garden onLine provides timely information about Ohio growing conditions, pest, disease, and cultural problems. Articles and supporting photos are created by members of the Extension, Nursery, Landscape, Turf (ENLT) team to benefit those who are managing a commercial nursery, garden center, or landscape business or someone who just wants to keep their yard looking good all summer. Additional fact sheet information on any of these articles may be found through the OSU FactSheet database: plantfacts.osu.edu

Private Pesticide Applicator License Recertification Training (PAT) and Fertilizer Applicator Recertification Training (FACT) in Northwest Ohio

**Recertification cost varies per location.
Registration is required at all locations.**

Hancock County January 30 8:00 AM-12:00 PM

PAT Categories (CORE, 1, 2, 3, 4, 5, 6) Plus 1 Hour Fertilizer Recertification (Category 15)

Cost: \$40 for both Pesticide and Fertilizer Recertification; \$35 for Pesticide Only; \$10 for Fertilizer only if registered before January 26. *Light refreshments provided with Registration.* Pay at the door or online. Credit card payments accepted online only.

Location: Hancock County Agricultural Service Center, 7868 County Road 140, Findlay, OH 45840

Contact: Ed Lentz, (419)422-3851, lentz.38@osu.edu

Paulding County January 30 8:30 AM-12:30 PM

PAT Categories (CORE, 1, 2, 3, 4, 5, 6, 7) Plus 1 Hour Fertilizer Recertification (Category 15). Fertilizer Recertification starts at 8:30 AM and PAT starts at 9:30 AM

Cost: \$40 for the complete program; \$10 for Fertilizer Recertification only if registered before January 22. *Light refreshments provided with Registration*

Location: Paulding County Extension Office, 503 Fairground Drive, Paulding, OH 45879

Register online at: paulding.osu.edu

Contact: Sarah Noggle, (419)399-8225, noggle.17@osu.edu

Richland County February 1 8:30 AM-12:30 PM

PAT Categories (CORE, 1, 2, 3, 4, 5, 6, 7) Plus 1 Hour Fertilizer Recertification (Category 15)

Cost: \$40 if registered before January 31.

Location: Richland County Longview Center, 1495 W. Longview Ave., Mansfield, OH 44906

Contact: Jason Hartschuh, (419)562-8731, hartschuh.11@osu.edu



Putnam County February 6 5:00 PM-9:00 PM

PAT Categories (CORE, 1, 2, 3, 4, 5, 6, 7) Plus 1 Hour Fertilizer
Recertification (Category 15)

Cost: \$40 for the complete program; \$10 for Fertilizer Recertification only if registered before February 5. No late registrations accepted.

Location: Ottawa American Legion Hall, 218 W. Main Street, Ottawa, OH 45875

Register online at : www.putnam.osu.edu

Contact: Beth Scheckelhoff, (419)523-6294. scheckelhoff.11@osu.edu

Van Wert County February 6 9:00 AM-1:00 PM

PAT Categories (CORE, 1, 2, 3, 4, 5, 6, 7) Plus 1 Hour Fertilizer
Recertification (Category 15) Fertilizer Recertification starts at 9:00 am and
PAT starts at 10:00 am.

Cost: \$40 for the complete program; \$10 for Fertilizer Recertification only if registered before February 2. *Light refreshments provided with Registration*

Location: Van Wert County Extension Office, 1055 S. Washington St., Van Wert, OH 45891

Contact: Curtis Young, (419)238-1214, young.2@osu.edu

Seneca County February 13 8:30 AM-12:30 PM

PAT Categories (CORE, 1, 2, 3, 4, 5, 6, 7) Plus 1 Hour Fertilizer
Recertification (Category 15)

Cost: \$40 if registered before February 6.

Location: Attica Fairgrounds, 100 Fairgrounds Road, Attica, OH 44807

Contact: Mike Gastier, (419)668-8219, gastier.3@osu.edu

Defiance County February 19 9:00 AM-12:00 PM

PAT Categories (CORE, 1, 2, 3, 4, 5, 6, 7) Plus 1 Hour Fertilizer
Recertification (Category 15)

Cost: \$40 for the complete program; \$10 for Fertilizer Recertification only if registered before February 12. No late registrations accepted. *Light refreshments provided with Registration*

Location: Defiance County Extension Office, 06879 Evansport Road, Defiance, OH 43512

Contact: Bruce Clevenger, (419)782-4771, clevenger.10@osu.edu



OSU Extension Farm Management

<http://farmoffice.osu.edu/>

Farm managers have access to Enterprise budgets, Data and Statistics, and Decision Tools from this OSU Extension Farm Management website. Enterprise Budgets are available for 2017 and prior for crops, forages, livestock and Dairy. Data and Statistics are links to agencies and organizations that have historical data related to agriculture. Decision Tools include: Cash Lease Calculator, Crop Share Calculator, Value of Manure Worksheet, Manure Rate Calculator, Machinery Rental Rates Calculator, and Estimation of the Costs of Operating Farm Equipment.

Ohio Ag Manager

<http://u.osu.edu/ohioagmanager>

A monthly electronic newsletter that highlights current and relevant information and articles to assist farm managers be successful and profitable. The goal of the Ohio Ag Manager Team is to provide agricultural businesses with timely management information dedicated to improving the efficiency and profitability of their farm enterprise. Focal issues areas discussed in the monthly electronic newsletter include financial, labor, legal, marketing and human resource development.

Ohioline

<http://ohioline.osu.edu/>

Ohioline is an information resource produced by Ohio State University Extension. Through Ohioline, you have access to hundreds of OSU Extension fact sheets covering a wide array of subjects such as agriculture and natural resources, family and consumer sciences, community development, and 4-H youth development. The fact sheets on Ohioline provide cutting-edge, scientifically-based information generated via research conducted by Extension and other faculty and staff at the Ohio State main campus and the Ohio Agricultural Research and Development Center (OARDC), often in collaboration with other land-grant university colleagues.

The Crop Observation and Recommendation Network (C.O.R.N.) Newsletter

<http://corn.osu.edu>

To provide accurate and timely information, provide educational opportunities and conduct research projects addressing the needs of Ohio's agronomic crop industry.

Farmers' Share Breakfast & Agriculture Hall of Fame Ceremony

March 15 8:00 AM-10:00 AM Hancock County

Tickets required for event.

Cost: \$3-5 if registered before. *Breakfast included in Registration*

Location: Brugeman Lodge, 9250 TR 208, Findlay, OH 45840

Contact: Ed Lentz, (419)422-3851, lentz.38@osu.edu

Agriculture Appreciation & Hall of Fame Breakfast

March 20 8:00 AM-10:00 AM Defiance County

Defiance County Ag Hall of Fame Application Deadline is Feb 1st with applications available at <https://defiance.osu.edu>. Breakfast and program open to the general public.

Cost: \$4 if registered before March 13. *Breakfast included in Registration*

Location: Defiance Knights of Columbus, 111 Elliott Rd., Defiance, OH 43512

Contact: Bruce Clevenger, (419)782-4771, clevenger.10@osu.edu

2018 Woman in Ag Conference

March 23 8:00 AM-3:00 PM Wood County

The 2018 Woman in Ag Conference is celebrating its 25th year. This year's keynote speaker is Laura Daniels from Cobb Wisconsin. Laura describes herself as a mother, farmer, dairy consultant, and agriculture advocate.

Her keynote address is titled Using Baler Twine & Barn Lime to Live a Life with Purpose.

Cost: \$45 if registered before March 2. *Lunch included in Registration*

Location: Nazareth Hall, 2121 W River Rd, Grand Rapids, OH 43522

Contact: Kelly Gonyer, (419)693-9050, gonyer.1@osu.edu

Roundtable Discussion of Current Agricultural Issues

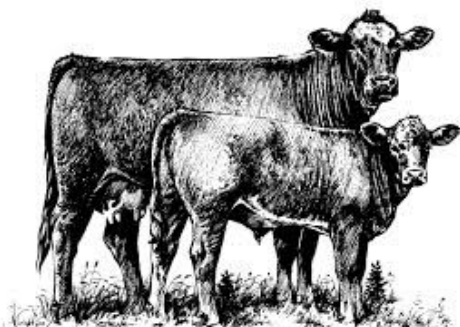
June 11 7:00 AM-8:00 AM Hancock County

Roundtable discussion of current agricultural issues

Cost: \$6. *Breakfast included in Registration*

Location: 50North Senior Center, 339 E. Melrose Avenue, Findlay, OH 45840

Contact: Ed Lentz, (419)422-3851, lentz.38@osu.edu



Pesticide Recertification & Fertilizer Recertification continued....

Fulton County February 22 8:30 AM-12:30 PM

PAT Categories (CORE, 1, 2, 3, 4, 5, 6, 7) Plus 1 Hour Fertilizer Recertification (Category 15)

Cost: \$40 for the complete program; \$10 for Fertilizer Recertification only if registered before February 16. *Light refreshments provided with Registration*

Location: Fulton County Extension Office, 8870 SR 108, Suite A, Wauseon, OH 43567

Contact: Eric Richer, (419)337-9210, richer.5@osu.edu

Richland County February 22 8:30 AM-12:30 PM

PAT Categories (CORE, 1, 2, 3, 4, 5, 6, 7) Plus 1 Hour Fertilizer Recertification (Category 15)

Cost: \$40 if registered before February 15.

Location: Buckeye Community Center, 79 Noble Road, Shiloh, OH 44878

Contact: Mike Gastier, (419)668-8219, gastier.3@osu.edu

Sandusky County March 9 8:30 AM-12:30 PM

PAT Categories (CORE, 1, 2, 3, 4, 5, 6, 7) Plus 1 Hour Fertilizer Recertification (Category 15)

Cost: \$40 if registered before March 2.

Location: Luckey Farmers Inc. Corporate Office, 1200 W. Main St., Woodville, OH 43469

Contact: Allen Gahler, (419)334-6340, gahler.2@osu.edu

Erie County March 12 5:30 PM-9:30 PM

PAT Categories (CORE, 1, 2, 3, 4, 5, 6, 7) Plus 1 Hour Fertilizer Recertification (Category 15)

Cost: \$40 if registered before March 5.

Location: Ehone Career Center, 316 Mason Rd. W., Milan, OH 44846

Contact: Tim Malinich, (419)627, 7631, malinich.1@osu.edu

Putnam County March 12 8:00 AM-12:00 PM

PAT Categories (CORE, 1, 2, 3, 4, 5, 6, 7) Plus 1 Hour Fertilizer Recertification (Category 15)

Cost: \$40 for the complete program; \$10 for Fertilizer Recertification only if registered before March 9.

Location: Ottawa American Legion Hall, 218 W. Main Street, Ottawa, OH 45875

Register online at: www.putnam.osu.edu

Contact: Beth Scheckelhoff, (419)523-6294, scheckelhoff.11@osu.edu

Pesticide Recertification & Fertilizer Recertification continued....

- Wood County** March 12 5:30 PM-9:30 PM
- PAT Categories (CORE, 1, 2, 3, 4, 5, 6, 7) Plus 1 Hour Fertilizer Recertification (Category 15)
- Cost:** \$40 for the complete program; \$10 for Fertilizer Recertification only if registered before March 5.
- Location:** Wood County Fairgrounds, Jr. Fair Building, 13800 W. Poe Rd., Bowling Green, OH 43402
- Contact:** Alan Sundermeier, (419)334-6340, sundermeier.5@osu.edu
- Hardin County** March 13 9:00 AM-2:00 PM
- Lunch Buffet available, CORE 1, 2, 6
- Cost:** \$40 for the complete program; \$10 for Fertilizer Recertification only if registered before March 5. *Meal Option at an additional cost of \$10*
- Location:** Plaza Inn Restaurant, 491 S. Main, Mt. Victory, OH 43340
- Register online at pested.osu.edu/Recert/topofohio
- Contact:** Mark Badertscher, (419)674-2297, badertscher.4@osu.edu
- Van Wert County** March 13 5:00 PM-9:00 PM
- PAT Categories (CORE, 1, 2, 3, 4, 5, 6, 7) Plus 1 Hour Fertilizer Recertification (Category 15)
- Cost:** \$40 for the complete program; \$10 for Fertilizer Recertification only if registered before March 9. *Light refreshments provided with Registration*
- Location:** Delphos Eagles Club, 1600 E. 5th St., Delphos, OH 45833
- Contact:** Curtis Young, (419)238-1214, young.2@osu.edu
- Henry County** March 15 5:30 PM-9:30 PM
- PAT Categories (CORE, 1, 2, 3, 4, 5, 6, 7) Plus 1 Hour Fertilizer Recertification (Category 15)
- Cost:** \$40 for the complete program; \$10 for Fertilizer Recertification only if registered before March 9. *Light refreshments provided with Registration*
- Location:** Henry County Senior Center, 203 Rohrs St., Napoleon, OH 43545
- Register online at henry.osu.edu
- Contact:** Garth Ruff, (419)592-0806, ruff.72@osu.edu



Miscellaneous Ag Events

- Hardin County Ag Council (Series)**
- 7:00 AM-8:30 AM Hardin County
- Roundtable discussion of current agricultural issues and events:
January 5, February 2, March 2, April 6, May 4, June 1
- Cost:** Breakfast. *Meal Option at an additional cost. \$10*
- Location:** Henry's Restaurant Banquet Room, 995 N. Detroit, Kenton, OH 43326
- Contact:** Mark Badertscher, (419)674-2297, badertscher.4@osu.edu
- Crawford Agribusiness Women's Night**
- January 16 5:30 PM-9:30 PM Crawford County
- Crawford Agribusiness Women's Night will cover: maintaining and developing a balance sheet, family living cost, grain marketing 101 futures and options, financials and getting financed, insurance for the farm family, socializing with other women agriculturalists.
- Cost:** \$20 if registered before January 9. *Dinner included in Registration*
- Location:** Nazareth Hall, 21211 W River Rd, Grand Rapids, OH 43522
- Contact:** Jason Hartschuh, (419)562-8731, hartschuh.11@osu.edu
- Current Issues "On the Farm" (Series)**
- 8:30 AM-9:30 AM Putnam County
- January 25- Join us for coffee, donuts, a brief presentation and conversation on current ag issues.
- February 22- Join us for coffee, donuts, a brief presentation and conversation on current ag issues.
- March 22- Join us for coffee, donuts, a brief presentation and conversation on current ag issues.
- Cost:** Free. *Light refreshments provided with Registration*
- Location:** Putnam County Extension Office, 1206 East Second Street, Ottawa, OH 45875
- Register online at www.putnam.osu.edu
- Contact:** Beth Scheckelhoff, (419)523-6294, scheckelhoff.11@osu.edu
- Putnam County Ag Council**
- Series 8:00 AM-9:00 AM Putnam County
- Roundtable discussion of current agricultural issues and events.
January 26, February 23, March 23, April 27, May 25
- Cost:** Free. *Participants may order breakfast on their own.*
- Location:** Schnipke Inn, 202 W. Main St., Ottawa, OH, 45875
- Contact:** Beth Scheckelhoff, (419)523-6294, scheckelhoff.11@osu.edu



Hydrangeas

May 1 6:30 PM-8:30 PM Lucas County

People are intrigued by the diversity of hydrangeas for the landscape. This workshop will cover the different types of hydrangea shrubs, care including when to prune, and more about these flowering shrubs. Each participant will take home a hydrangea of their own as part of the registration fee.

Cost: \$30 if registered before April 17. *Light refreshments provided with Registration.* Registrations will be accepted after February 1, 2018 on a first come, first serve basis. Seating is limited to the first seventy-five paid registrations.

Location: Toledo Botanical Garden, Conference Center, 5403 Elmer Drive, Toledo, Ohio 43615

Register online at : information on lucas.osu.edu

Contact: Amy Stone, (419)578-6783, stone.91@osu.edu

Hydrangeas for Your Home

May 1 1:00 PM-3:00 PM Putnam County

Join the Putnam County Master Gardeners in learning about the various types of hydrangeas used in the Ohio landscape.

Cost: \$30 if registered before April 27. No late registrations accepted. *Light refreshments provided with Registration.* Participants receive a hydrangea plant to take home and enjoy in their landscape. Seating is limited, register early.

Location: Putnam Co. Extension, 1206 East Second Street, Ottawa, OH 45875

Contact: Beth Scheckelhoff, (419)523-6294. scheckelhoff.11@osu.edu

Young Tree Training - Maintenance Practices For Young Plants That Pay Off Big With Age!

May 23 7:00 PM-8:00 PM Lucas County

Once woody plants are in the ground, some people walk away. Investing a little time and energy in the landscape when plants are young will pay-off in the long run. Come learn some tricks of the trade that will make your plants love to be part of your landscape!

Cost: Free if registered before May 16

Location: Toledo Botanical Garden, Conference Center, 5403 Elmer Drive, Toledo, Ohio 43615

Register online at <https://reservations.metroparkstoledo.com/programs/>

Contact: Amy Stone, (419)578-6783, stone.91@osu.edu

Paulding County Master Gardener Plant Sale

May 18 & May 19 Open: Friday 7:30 AM – 5:00 PM, Sat. 7:30 AM – 12:00 PM

Join the Paulding County Master Gardner Volunteers at their 17th annual plant sale. For sale: annuals, perennials, vegetables, house plants, ornamentals, flowers, herbs and shrubs grown locally by our volunteers.

Location: Paulding County Fairgrounds, 503 Fairground Drive, Paulding, OH 45879 (Sale in the Block Building)

Contact: Sarah Noggle, (419)399-8225, noggle.17@osu.edu

Pesticide Recertification & Fertilizer Recertification continued....

Hancock County March 20 8:00 AM-12:00 PM

PAT Categories (CORE, 1, 2, 3, 4, 5, 6) Plus 1 Hour Fertilizer Recertification (Category 15)

Cost: \$40 for both Pesticide and Fertilizer Recertification; \$35 for Pesticide Only; \$10 for Fertilizer only if registered before January 26. *Light refreshments provided with Registration*

Location: Hancock County Agricultural Service Center, 7868 County Road 140, Findlay, OH 45840

Contact: Ed Lentz, (419)422-3851, lentz.38@osu.edu

Williams County March 20 5:00 PM-9:00 PM

PAT Categories (CORE, 1, 2, 3, 4, 5, 6, 7) Plus 1 Hour Fertilizer Recertification (Category 15); Fertilizer Recertification first hour (5:00 - 6:00 PM) followed by PAT.

Cost: \$40 for the complete program; \$10 for Fertilizer Recertification only if registered before March 15. *Dinner included in Registration*

Location: Williams County Extension Office, 1425 East High Street, Bryan, OH 43506

Register online at: <https://williams.osu.edu/2018programs>

Contact: John Schoenhals, (419)636-5608, schoenhals.2@osu.edu

Huron County March 22 1:00 PM-5:00 PM

PAT Categories (CORE, 1, 2, 3, 4, 5, 6, 7) Plus 1 Hour Fertilizer Recertification (Category 15)

Cost: \$40 if registered before March 15.

Location: North Central Ag Dealer, 100 Industrial Drive, New London, OH 45851

Contact: Jason Hartschuh, (419)562-8731, hartschuh.11@osu.edu

Huron County March 29 8:30 AM-12:30 PM

PAT Categories (CORE, 1, 2, 3, 4, 5, 6, 7) Plus 1 Hour Fertilizer Recertification (Category 15)

Cost: \$40 if registered before March 22.

Location: Huron County Extension Office, 180 Milan Avenue, Norwalk, OH 44857

Contact: Mike Gastier, (419)668-8219, gastier.3@osu.edu



Hardin County March 30 9:00 AM-2:00 PM

PAT Categories (CORE, 1, 2, 3, 4, 5, 6, 7) Plus 1 Hour Fertilizer Recertification (Category 15)

Cost: \$40 for the complete program; \$10 for Fertilizer Recertification only if registered before February 22. *Light refreshments provided with Registration*
Bring Ohio Pesticide and Fertilizer Cards - Call office before for needed categories at 419-674-2297

Location: Hardin County Extension Office, 1021 W. Lima, Kenton, OH 43326

Contact: Mark Badertscher, (419)674-2297, badertscher.4@osu.edu

New Pesticide Applicator Training

New Pesticide Applicator Training "Crash Course"

January 18 8:30 AM-12:30 PM Wood County

Class is designed to prepare new private pesticide applicators to take the test for CORE (general safety for the applicator and the environment) and Category I (grain and cereal crops) or Industrial Vegetation (Category 5 - Commercial Applicators). Registration does not include study materials. Class size limited to 20 participants.

Cost: \$35 (does not include study materials).

Location: Wood County Extension Office, 639 S, Dunbridge Road, Suite 1, Bowling Green, OH 43402

Contact: Alan Sundermeier, (419)334-6340, sundermeier.5@osu.edu

New Pesticide Applicator Training "Crash Course"

January 31 12:30 PM-4:30 PM Hardin County

Class is designed to prepare new private pesticide applicators to take the test for CORE (general safety for the applicator and the environment) and Category I (grain and cereal crops). We will also share with you how to prepare for other categories that are available for certification. Additional personal preparation and study time is suggested.

Cost: \$35 (includes books and refreshments) if registered before January 16.

Light refreshments provided with Registration

Additional information available at <https://pested.osu.edu/home/privateapplicator/studymaterials>

Location: Hardin County Extension Office, 1021 W. Lima, Kenton, OH 43326

Contact: Mark Badertscher, (419)674-2297, badertscher.4@osu.edu

Selling Food From Your Farm or Home

March 27 1:00 PM-5:00 PM Defiance County
Topics: 10 Produce Practices for Food Safety, Q & A That Matters To You, Labeling & Packaging, Can and Can't with Cottage Foods, Payment Options; Convenience and Security, for You or the Customer?, Marketing; Is It Education or Product Promotion?

Cost: Free if registered before March 20. *Light refreshments provided with Registration*

Location: Defiance County Extension Office, 06879 Evansport Road, Defiance, OH 43512

Register online at: defiance.osu.edu

Contact: Bruce Clevenger, (419)782-4771, clevenger.10@osu.edu



Putnam County Garden Fair

April 7 9:00 AM-3:00 PM
Putnam County

The Putnam County Master Gardeners present the 2018 Garden Fair with educational sessions on horticultural topics along with vendors providing plants and garden-related items.

Cost: TBD if registered before April 2. No late registrations accepted. *Lunch included in Registration*

Location: Putnam County ESC, 124 Putnam Parkway, Ottawa, OH 45875

Register online at www.putnam.osu.edu

Contact: Beth Scheckelhoff, (419)523-6294, scheckelhoff.11@osu.edu

Planting and Maintenance - Practices That Can Make or Break Success in the Landscape

April 16 7:00 PM-8:00 PM Lucas County
You want to add a plant to your landscape, but not sure what to do. This class will review planting practices that will get that plant off to a great start, and what maintenance practices will be involved in the first few years. Get your plants off to a good start so they are around for a long time!

Cost: Free if registered before April 9

Location: Toledo Botanical

Garden, Conference Center, 5403 Elmer Drive, Toledo, Ohio 43615

Register online at <https://reservations.metroparkstoledo.com/programs/>

Contact: Amy Stone, (419)578-6783, stone.91@osu.edu



Hort Hikes - Seasonal Walks at Toledo Botanical Garden

Multiple dates 6:00 PM-7:00 PM
Lucas County

Come out and enjoy an educational walk at the Toledo Botanical Garden (TBG). The monthly walk will highlight plants throughout the garden and include their seasonal interests - flowers, fruit, bark and more! It will be a great time to check out plants that you may want to consider for your own landscape. Walks will be held the 2nd Monday of the Month, except for June when the walk will be on the 3rd Monday. March 12, April 9, May 14, June 18, July 9, August 13, September 10, October 8, November 12



Cost: Free

Location: Toledo Botanical Garden, 5403 Elmer Drive, Toledo, Ohio 43615 - meet at the Pioneer Cabin

Register online at <https://reservations.metroparkstoledo.com/programs/>

Contact: Amy Stone, (419)578-6783, stone.91@osu.edu

Art of Gardening Seminar

March 17 8:00 AM-3:30 PM Allen County

Gardening Seminar hosted by Allen County OSU Extension Master Gardener Volunteers - topics and presenters to be determined

Cost: \$45 if registered before March 9, *Lunch included in Registration*, Register early as seminar sells out every year!

Location: OSU - Lima Campus, 124 Galvin Hall, 4240 Campus Drive, Lima, OH 45801

Contact: Allen County Master Gardeners, c/o Gretchen Staley, 407 E. Sycamore St., Columbus Grove, OH 45830 or call (419) 302-4234

Native Plants Seminar

March 22 9:00 AM-4:00 PM

Hardin County

All day seminar with presenters on native trees, shrubs, and perennials. All gardeners welcome - Master Gardener Volunteers continuing education hours available

Cost: Cost to be determined - call office at 419-674-2297 if registered before March 14.

No late registrations accepted. *Lunch included in Registration*

Location: Mid-Ohio Energy Cooperative - 1210 W. Lima Street, Kenton, OH 43326

Contact: Mark Badertscher, (419)674-2297, badertscher.4@osu.edu

**New Pesticide Applicator Training continued...****New Pesticide Applicator Training "Crash Course"**

March 29 9:00 AM-12:00 PM Putnam County

New applicator training will cover CORE and other categories as needed

Cost: \$25 if registered before March 26.

Location: Putnam County Extension Office, 1206 East Second Street, Ottawa, OH 45875

Register online at www.putnam.osu.edu

Contact: Beth Scheckelhoff, (419)523-6294. scheckelhoff.11@osu.edu

New Pesticide Applicator Training "Crash Course"

March 29 8:00 AM-12:00 PM Van Wert County

Private pesticide license pre-test preparation and review.

Cost: \$20 if registered before March 26. No late registrations accepted. *Light refreshments provided with Registration*

Location: Van Wert County Extension Office, 1055 S. Washington St., Van Wert, OH 45891

Contact: Curtis Young, (419)238-1214, young.2@osu.edu

Testing for Private and Commercial Pesticide Applicator License

Pre-register with the Ohio Department of Agriculture (Seating is limited, so please register early.) Web site-<http://www.agri.ohio.gov> (then click Programs, then Pesticide and Fertilizer) Or Phone 1-800-282-1955

January 11 Fulton County 10:00 AM
Fulton County Extension Office, 8870 SR 108, Suite A, Wauseon, OH 43567

January 22 Wood County 1:00 PM
Wood County Extension Office, 639 S. Dunbridge Road, Suite 1, Bowling Green, OH 43402

January 31 Defiance County 10:00 AM
Defiance County Extension Office, 06879 Evansport Road, Defiance, OH 43512

February 8 Fulton County 10:00 AM
Fulton County Extension Office, 8870 SR 108, Suite A, Wauseon, OH 43567

Testing for Private and Commercial Applicator License continued ...

February 15	Huron County	1:00 PM
Huron County Extension Office, 180 Milan Avenue, Norwalk, OH 44857		
February 21	Defiance County	10:00 AM
Defiance County Extension Office, 06879 Evansport Road, Defiance, OH 43512		
February 22	Richland County	1:00 PM
Buckeye Community Center, 79 Noble Road, Shiloh, OH 44878		
February 26	Wood County	1:00 PM
Wood County Extension Office, 639 S, Dunbridge Road, Suite I, Bowling Green, OH 43402		
March 5	Wood County	1:00 PM
Wood County Extension Office, 639 S, Dunbridge Road, Suite I, Bowling Green, OH 43402		
March 8	Fulton County	10:00 AM
Fulton County Extension Office, 8870 SR 108, Suite A, Wauseon, OH 43567		
March 15	Huron County	1:00 PM
Huron County Extension Office, 180 Milan Avenue, Norwalk, OH 44857		
March 21	Defiance County	10:00 AM
Defiance County Extension Office, 06879 Evansport Road, Defiance, OH 43512		
March 26	Wood County	1:00 PM
Wood County Extension Office, 639 S, Dunbridge Road, Suite I, Bowling Green, OH 43402		
March 29	Van Wert County	1:00 PM
Van Wert County Extension Office, 1055 S. Washington St., Van Wert, OH 45891		
April 9	Wood County	1:00 PM
Wood County Extension Office, 639 S, Dunbridge Road, Suite I, Bowling Green, OH 43402		
April 12	Fulton County	10:00 AM
Fulton County Extension Office, 8870 SR 108, Suite A, Wauseon, OH 43567		
April 23	Wood County	1:00 PM
Wood County Extension Office, 639 S, Dunbridge Road, Suite I, Bowling Green, OH 43402		

Horticulture continued ...

Master Gardener Volunteer Training

February 6-April 3 9:00 AM-4:00 PM Lucas County
Master Gardener Volunteer Training Class, 9 Weeks, February 6 - April 3, 2018 (Every Tuesday)

Cost: Contact Amy Stone For Additional Details if registered before January 5. No late registrations accepted.

Location: Toledo Botanical Garden, Conference Center, 5403 Elmer Drive, Toledo, Ohio 43615

Contact: Amy Stone, (419)578-6783, stone.91@osu.edu

Landscaping With Clean Water On Your Mind

February 7 7:00 PM-8:00 PM Lucas County

Clean water is on everyone's mind. Come and learn what you can do in your own yard and garden to protect our water. Session highlights will include information on soil testing, fertilization to-dos and not to dos, rain gardens, and the benefits of trees. Go green, and we don't mean algae!

Cost: Free if registered before February 1

Location: Toledo Botanical Garden, Conference Center, 5403 Elmer Drive, Toledo, Ohio 43615

Register online at <https://reservations.metroparkstoledo.com/programs/>

Contact: Amy Stone, (419)578-6783, stone.91@osu.edu



Vegetable Gardening 101

March 2 10:00 AM-11:00 AM Lucas County

Interested in growing food for yourself or your family? Learn how to plan, plant and harvest veggies and fruits in 2018. We will cover container, raised bed and traditional in-the-ground methods. Green thumb or not, gardening can be rewarding!

Cost: Free

Location: Holland Branch of the Toledo Lucas County Public Library, 1032 S McCord Rd, Holland, OH 43528

Register online at <http://www.toledolibrary.org/events>

Contact: Amy Stone, (419)578-6783, stone.91@osu.edu

Master Gardener Volunteers Training Course

March 6-April 24 6:00 PM-9:00 PM Allen County

Master Gardener Volunteer Training Class, 15 sessions, March 6 - April 24, 2018. Must also attend 'Art of Gardening' Seminar as part of course on March 17 - dates and topics subject to change

Cost: \$150 if registered before February 19

Location: OSU - Lima Campus, 124 Galvin Hall, 4240 Campus Drive, Lima, OH 45801

Contact: Mark Badertscher, (419)674-2297, badertscher.4@osu.edu

Master Gardeners Present: Topics for In the Garden

Multiple dates 1:00 PM-2:00 PM Putnam County
Join the Putnam County Master Gardeners learn about timely topics and tips that can be used "In the Garden" January 25, February 22, March 22

Cost: Free and open to the public.

Location: Putnam County Extension Office, 1206 East Second Street, Ottawa, OH 45875

Register online at www.putnam.osu.edu

Contact: Beth Scheckelhoff, (419)523-6294. scheckelhoff.11@osu.edu

Invasive Pests in the Landscape - ID and Management

January 29 7:00 PM-8:00 PM Lucas County
All plants aren't created equally. Some pests can become so abundant they cause issues in the landscape. Come learn about some of these bad characters and what you can do to help rid your landscape of the invasives.

Cost: Free if registered before January 22.

Location: Toledo Botanical Garden, Conference Center, 5403 Elmer Drive, Toledo, Ohio 43615

Register online at <https://reservations.metroparkstoledo.com/programs/>

Contact: Amy Stone, (419)578-6783, stone.91@osu.edu

New Master Gardener Training

February 1-May 3 6:00 PM-9:00 PM Williams County
Master Gardener Volunteer Training, 14 consecutive Thursday evenings, February 1-May 3.

Cost: Williams County residents: \$65 per person or \$95 or a couple for the entire class; All other counties \$100/person if registered before January 22.

Location: Williams County Extension Office, 1425 East High Street, Bryan, OH 43506

Register online at <https://williams.osu.edu/mgv2018>

Contact: John Schoenhals, (419)636-5608, schoenhals.2@osu.edu

Ohio State University Wood County Master Gardener Volunteer

Series 6:00 PM-9:00 PM Wood County
February 3- To become a Master Gardener volunteer, you will have the opportunity to complete 50 hours of classroom training and make a difference in your community by donating hours of your time to service.

Cost: \$235 if registered before December 1. No late registrations accepted.

If you would be interested in finding out more about being a part of this program, please contact: Gail Ritzler, Master Gardener Volunteer Coordinator at ritzler.2@osu.edu or 419-693-9050.

Location: Wood County Extension Office, 639 S, Dunbridge Road, Suite 1, Bowling Green, OH 43402

Contact: Alan Sundermeier, (419)334-6340, sundermeier.5@osu.edu

**Testing for Private and Commercial Applicator License continued ...**

April 25 Defiance County 10:00 AM
Defiance County Extension Office, 06879 Evansport Road, Defiance, OH 43512

May 21 Wood County 1:00 PM
Wood County Extension Office, 639 S, Dunbridge Road, Suite 1, Bowling Green, OH 43402

June 25 Wood County 1:00 PM
Wood County Extension Office, 639 S, Dunbridge Road, Suite 1, Bowling Green, OH 43402

July 23 Wood County 1:00 PM
Wood County Extension Office, 639 S, Dunbridge Road, Suite 1, Bowling Green, OH 43402

August 27 Wood County 1:00 PM
Wood County Extension Office, 639 S, Dunbridge Road, Suite 1, Bowling Green, OH 43402

September 24 Wood County 1:00 PM
Wood County Extension Office, 639 S, Dunbridge Road, Suite 1, Bowling Green, OH 43402

October 22 Wood County 1:00 PM
Wood County Extension Office, 639 S, Dunbridge Road, Suite 1, Bowling Green, OH 43402

November 19 Wood County 1:00 PM
Wood County Extension Office, 639 S, Dunbridge Road, Suite 1, Bowling Green, OH 43402

December 17 Wood County 1:00 PM
Wood County Extension Office, 639 S, Dunbridge Road, Suite 1, Bowling Green, OH 43402



New FACT (Fertilizer Applicator Certification Training)

Williams County

February 12 6:00 PM-9:00 PM

New 3-hour Fertilizer Applicator Certification Training

Cost: \$35 if registered before February 8. *Light refreshments provided with Registration*

Location: Williams County Extension Office, 1425 East High Street, Bryan, OH 43506

Register online at: <https://williams.osu.edu/2018programs>

Contact: John Schoenhals, (419)636-5608, schoenhals.2@osu.edu

Wood County

March 14 6:00 PM-9:00 PM

New 3-hour Fertilizer Applicator Certification Training

Cost: \$35 if registered before March 5.

Location: Wood County Fairgrounds, Jr. Fair Building, 13800 W. Poe Rd., Bowling Green, OH 43402

Contact: Alan Sundermeier, (419)334-6340, sundermeier.5@osu.edu

Erie County

March 19 6:00 PM-9:00 PM

New 3-hour Fertilizer Applicator Certification Training

Cost: \$35 if registered before March 12.

Location: Ehone Career Center, 316 Mason Rd. W., Milan, OH 44846

Contact: Tim Malinich, (419)627, 7631, malinich.1@osu.edu

Putnam County

March 19 6:00 PM-9:00 PM

New 3-hour Fertilizer Applicator Certification Training

Cost: \$35 if registered before March 16.

Location: Putnam County Extension Office, 1206 East Second Street, Ottawa, OH 45875

Register online at: www.putnam.osu.edu

Contact: Beth Scheckelhoff, (419)523-6294, scheckelhoff.1@osu.edu

Van Wert County

April 4 6:00 PM-9:00 PM

New 3-hour Fertilizer Applicator Certification Training

Cost: \$10, Please register before March 30. if registered before. *Light refreshments provided with Registration*

Location: Van Wert County Extension Office, 1055 S. Washington St., Van Wert, OH 45891

Contact: Curtis Young, (419)238-1214, young.2@osu.edu

Tree Walk at Toledo's Woodlawn Cemetery and Arboretum

Multiple dates 7:00 PM-8:30 PM Lucas County

We will be walking among the trees. We will be talking tree identification, plant selection, common and not so common pests, proper pruning practices, and propagation - all highlighted by seasonal plant interests. MGJ and OCVN credits.

March 27, April 24, May 22, June 27, July 24, August 28, September 25, October 23, November 27

Cost: Free

Location: Woodlawn Cemetery and Arboretum, 1502 West Central Avenue, Toledo, Ohio 43606

Stay up-to-date on this series at www.lucas.osu.edu

Contact: Amy Stone, (419)578-6783, stone.91@osu.edu

Pond Clinic

May 1 6:00 PM-8:30 PM Defiance County

Topics: Healthy Ponds, Healthy Fish, Quality Water, Weed Management, Proper Application Methods of Products. Hot Dogs, Chips, Drinks provided.

Cost: Free if registered before April 27

Dinner included in Registration

Location: Oxbow Lake - ODNR Division of Wildlife, 6221 Trinity Rd, Defiance, Ohio

Contact: Bruce Clevenger, (419)782-4771, clevenger.10@osu.edu

Williams/Defiance Woodlands and Wildlife

June 28- Have you wondered "what is that tree?" Own a woodland and want to know exactly what trees you have? The workshop gives participants in-depth training and practice on identifying trees using leaves and other characteristics. Workshop is classroom instruction and outdoor practicing.

Cost: \$35, **Time:** 9:00am-3:00pm, Location: Defiance County Extension Office

July 12- What makes a woods attractive to wildlife? How do I diversify the wildlife in my woods? The meeting gives participants practices and ideas to make a woods a home for wildlife

Cost: Free, **Time:** 7:00-9:00pm, Location: Defiance County Extension Office

July 26- Most woodland owners will sell trees out of their woods only once in their lifetime - maybe twice! Make sure that the choice you make is good for you and the woods, both today and into the future. We will cover marketing options and best management practices for the sale

Cost: Free, Time: 6:00-9:00pm, Location: Williams County Extension Office

Other: See each session for cost. Register for the series or individual sessions.

Lunch provided for Tree ID session only. Note location and time for each session. More information can be found at woodlandstewards.osu.edu

Location: Defiance County Extension Office: 06879 Evansport Road, Defiance, OH 43512 and Williams County Extension Office, 1425 East High Street, Bryan, OH 43506

Contact: Bruce Clevenger, (419)782-4771, clevenger.10@osu.edu or John Schoenhals, (419)636-5608, schoenhals.2@osu.edu

Introduction to Beekeeping

February 3 9:00 AM-3:00 PM Defiance County

Introductory class will be an overview of what to expect for the first year of beekeeping. Sponsored by the Black Swamp Beekeepers Association. Topics include: costs, equipment, colony/hive details, pests and diseases, extracting honey, fall and winter preparedness, Q & A.

Cost: \$50 if registered before January 19. No late registrations accepted. *Meal Option at an additional cost. \$9.00 per person.* Registration includes: book "Bee-Sentials Field Guide", 1 year membership to OSBA. Add attendee (no book) for \$30.00. Extra book \$15.00.

Location: Defiance County Extension Office, 06879 Evansport Road, Defiance, OH 43512

Register online at defiance.osu.edu

Contact: Bruce Clevenger, (419)782-4771, clevenger.10@osu.edu

Defiance County Beginning Beekeeper Internship (Series)

8:30 AM-12:00 PM

February 24- Getting & building equipment, bees, and proper location

March 24- Biology, pests, diseases, and management

April 28- Starts (nuc or package), splits, & bait boxes

May 26- Queen breeding, feeding & hive management

June 23- 1:00 PM - NW OH Beekeepers Assoc. Summer Workshop - Continental, OH

July 28- Honey processing, hive products & pests

August 25- Fall preparation, dearth & feeding

September 22- Winter preparation, feeding & stores

October 27- Inspections & making it through Winter

Cost: \$125 individual / \$200 couple if registered before January 19. No late registrations accepted. Includes the book "Bee-Sentials Field Guide" and 1 year Membership to Ohio State Beekeepers Assoc.

Location: Defiance County Extension Office, 06879 Evansport Road, Defiance, OH 43512

Register online at: defiance.osu.edu

Contact: Bruce Clevenger, (419)782-4771, clevenger.10@osu.edu



Beekeeper

Soil Health and Cover Crops Workshop (Series) Putnam County

January 4- 8:30 am – 4:30pm. The soil health workshop will cover all aspects of soil health management, including practices to improve soil health, the use and management of cover crops, economic aspects, as well as hands-on demonstrations.

January 5- 8:30 am – 11:30 am. Soil Health and Cover Crops Workshop - Day 2

Cost: \$35 if registered before December 31. No late registrations accepted.

Lunch included in Registration

Location: Putnam County Extension Office, 1206 East Second Street, Ottawa, OH 45875

Register online at www.putnam.osu.edu

Contact: Beth Scheckelhoff, (419)523-6294, scheckelhoff.11@osu.edu

Conservation Tillage Club (Series)

7:30 AM-9:00 AM

Hardin County

January 9- CAUV/Property Taxes - Hardin County Auditor Mike Bacon

January 23- Grain Marketing Outlook - speaker to be announced

February 6- Climate and Weather - OSU Byrd Polar & Climate

Research Center Senior Research Associate Aaron Wilson

February 20- Soybean Populations - OSU Extension Field Specialist, Agronomic Systems Elizabeth Hawkins

Cost: Free, *Breakfast included in Registration, CCA Credits available*

Location: Plaza Inn Restaurant Banquet Room, 491 S. Main, Mt. Victory, OH 43340

Contact: Mark Badertscher, (419)674-2297, badertscher.4@osu.edu

Cover Crops Roundtable (Series)

6:30 PM-9:00

Paulding County

January 9- PM Join us for a simple monthly round-table discussion of current cover crops topics. This series will NOT include sales presentations. The series is geared from farmers to farmers with OSU Extension serving as a moderator.

February 6- Cover Crops round-table February

Cost: Free, but RSVP required for refreshments if registered before January 8. *Light refreshments provided with Registration*

Location: Paulding County Extension Office, 503 Fairground Drive, Paulding, OH 45879

Register online at:

paulding.osu.edu

Contact: Sarah Noggle, (419) 399-8225, noggle.17@osu.edu



Soybean Inputs-Focus on Payback

January 9 8:30 AM-10:30 AM Wood County
University Research and Recommendations will be discussed as a basis for Soybean input decisions for 2018; CCA Credits

Cost: Free if registered before January 8.

This Program is Same as Event in Hancock County on January 11, 2018

Location: Wood County Extension Office, 639 S. Dunbridge Road, Suite 1, Bowling Green, OH 43402

Contact: Alan Sundermeier, (419)334-6340, sundermeier.5@osu.edu

Soybean Inputs-Focus on Payback

January 11 6:30 PM-8:30 PM Hancock County
University Research and Recommendations will be discussed as a basis for Soybean input decisions for 2018 CCA Credits

Cost: Free if registered before January 10.

This Program is Same as Event in Wood County on January 9, 2018

Location: Hancock County Extension Office, 7868 CR 140, Suite B, Findlay, OH 45840

Contact: Ed Lentz, (419)422-3851, lentz.38@osu.edu

Maximizing Manure Value

January 18 6:00 PM-9:00 PM Crawford County
Topics: Applying manure to growing crops, using a Manure Drag Line to apply manure and nitrogen to corn, managing a manure spill, cost and benefits of drag lining

Cost: *Dinner included in Registration*

Location: Wayside Chapel, 2341 Kersetter Rd., Bucyrus, OH 44820

Contact: Jason Hartschuh, (419)562-8731, hartschuh.11@osu.edu

Corn-Soybean Day - Fulton County

January 19 8:30 AM-4:00 PM Fulton County
Ohio PAT credits: Core, 1, 2, 6 (3 hrs.) and 15 (1 hr.)
Michigan PAT credits: 4 hours
Commercial PAT credits: Core, 2A, 2C (3 hrs.) and 15 (1 hr.)
CCA credits: 4.5 hours CM, IPM, NM, PD

Cost: \$35 Pre-registration (postmarked by January 10th) if registered before January 10, otherwise cost increases to \$50 after January 10th or at the door, space permitting. *Lunch included in Registration*

Location: Sauder Village, Founder's Hall, 22611 SR 2, Archbold, OH 43502

Register online at www.fulton.osu.edu

Contact: Eric Richer, (419)337-9210, richer.5@osu.edu

**Northwest Ohio Livestock Producers Meetings (NWOLP) - (Series)**
12:00 PM-2:30 PM Paulding County

Northwest Ohio Livestock Producers is a series of monthly meetings offered on current livestock topics. Come to one or all sessions.

January 10- First meeting in the 2018 NWOLP meeting series. 2 CLM credits will be offered.

February 7- Second meeting in the 2018 NWOLP meeting series. 2 CLM Credits will be offered.

March 21- Third event in the series of 2018 NWOLP meetings. 2 CLM Credits will be offered.

Cost: Free if early bird registration is submitted if registered before five business days prior to date, otherwise cost increases to \$20. *Lunch included in Registration*

Location: Paulding County Extension Office, 503 Fairground Drive, Paulding, OH 45879

Contact: Sarah Noggle, (419)399-8225, noggle.17@osu.edu

Pork Quality Assurance (PQA+) Certification

January 25 6:30 PM-8:30 PM Henry County
Adult PQA+ training and exam. Open to any independent or contract swine grower needing new or re-certification for 2018.

Cost: Free if registered before January 22

Location: Henry County Extension Office, Hahn Center, Suite 302, 104 E. Washington Street, Napoleon, OH 43545

Contact: Garth Ruff, (419)592-0806, ruff.72@osu.edu

Livestock Mortality Composting Certification

February 20 1:00 PM-3:30 PM Crawford County
At the end of this program, you will be a certified livestock mortality composter in Ohio.

Cost: \$10 if registered before February 19

Location: Crawford County Courthouse, Lower Level Conference Room 112, East Mansfield Street, Bucyrus, OH 44820

Contact: Jason Hartschuh, (419)562-8731, hartschuh.11@osu.edu

Introduction to Contract Swine Growing

March 1 6:00 PM-9:00 PM Henry County
Intended for folks interested in information on what it takes to become a contract swine grower. Topics include siting, contracts, loan applications, manure management, and pork industry outlook.

Cost: Free if registered before February 23. *Dinner included in Registration*

Location: Napoleon American Legion Annex, 500 Glenwood Ave, Napoleon, OH 43545

Contact: Garth Ruff, (419)592-0806, ruff.72@osu.edu

Direct Marketing School (Series)

9:30 AM-3:30 AM Henry County
Direct Marketing School for anyone involved in producing, buying, selling produce, cottage goods, or animal products in NW Ohio.

February 23- Branding, marketing, and building the local foods system.
March 2- Focus on specific regulations and strategies for marketing produce, cottage foods, and animal products. Day will conclude with a tour of local successful direct marketing operation.

Cost: \$40 for 2 day school if registered before February 19. No late registrations accepted. *Lunch included in Registration.* Registration limited to 24 participants.

Location: Henry County Extension Office, Hahn Center, Suite 302, 104 E. Washington Street, Napoleon, OH 43545

Contact: Garth Ruff, (419)592-0806, ruff.72@osu.edu

Farm Succession (Series)

6:00 PM-9:00 PM Wyandot County
February 27- Overcoming Family Challenges to Farm Succession Planning - University of Nebraska-Lincoln Retired Professor Dr. Ron Hanson (sponsored by Ag Credit)

March 27- Productive & Positive Conversations about Difficult Issues - OSU Extension Educators Emily Buxton Adams and/or David Marrison (sponsored by Ag Credit)

Cost: Free if registered before February 20. *Dinner included in Registration.* Register by calling Kenton Ag Credit at 419-675-2303

Location: Masters Building - 10171 State Hwy. 53 N, Upper Sandusky, OH 43351

Contact: Mark Badertscher, (419)674-2297, badertscher.4@osu.edu

Henry County Farm Management Nights (Series)

6:30 PM-9:00 PM Henry County
March 12- Farm outlook, ag law update from Peggy Hall, mission statements, and values.

March 19- Costs of production for corn and soybeans with Eric Richer, followed by a session on grain marketing.

Cost: \$10 if registered before March 6. Can be attended separately or in a two part series. *Light refreshments provided with Registration*

Location: Marion Twp. Volunteer Fire Department, 735 Edgerton St., Hamler, OH 43524

Contact: Garth Ruff, (419)592-0806, ruff.72@osu.edu



Wyandot County Ag Day

January 25 9:30 AM-4:00 PM Wyandot County
Agricultural Grain Program with PAT CORE, 1, 2, 3, 4, 5, 6, 7 and 1 Hour Fertilizer Re-certification

Cost: \$50 if registered before January 20. *Lunch included in Registration*

Location: Sycamore Community Center, 3498 SR 103, Sycamore, OH 44882

Contact: Jason Hartschuh, (419)562-8731, hartschuh.11@osu.edu

FIC Dealerships and Hancock OSU Extension Spring Expo

January 31 1:00 PM-7:00 PM Hancock County
Invited speakers to discuss crop production issues, Lake Erie regulations, soil health, and grain marketing. Concurrent trade show during event.

Cost: Free if registered before January 24. *Dinner included in Registration*

Location: Owens Community College, 3200 Bright Road, Findlay, OH 45840

Contact: Ed Lentz, (419)422-3851, lentz.38@osu.edu

Putnam County Agronomy Night

February 5 6:00 PM-9:30 PM Putnam County
OH PAT credits: 0.5 hr. CORE and 1 hr. Category 1

Cost: No cost to attend due to industry sponsors; PAT credits are \$15. *Dinner included in Registration*

Location: Kalida K of C Hall, 718 Napoleon Rd., Kalida, OH 45853

Register online at: www.putnam.osu.edu

Contact: Beth Scheckelhoff, (419)523-6294, scheckelhoff.11@osu.edu

Northern Ohio Crops Day

February 8 8:30 AM-4:00 PM Sandusky County
Agricultural Grain Program

Cost: \$50 if registered before January 31. *Lunch included in Registration*

Location: Old Zim's Wagon Shed, 1387 SR 590, Gibsonburg, OH 43431

Contact: Allen Gahler, (419)334-6340, gahler.2@osu.edu

Northwest Ohio Crops Day

February 9 8:30 AM-3:30 PM Henry County
Full day agronomy program intended for farmers, crop advisors, and retailers. Agenda features state and national specialists including Mark Loux, Anne Dorrance, and Barry Ward among others. Topics range agronomic pest control from weather trends. CCA Credits will be offered.

Cost: \$25 if registered before February 1, otherwise cost increases to \$35 at the door. *Lunch included in Registration*

Location: Bavarian Haus, 3814 SR 18, Deshler, OH 43516

Contact: Garth Ruff, (419)592-0806, ruff.72@osu.edu



Spring Nitrogen, Sulfur, and Other Nutrient Decisions for High Yield Wheat

February 13 10:00 AM-11:30 AM Hancock County
 Speaker, Dr. Ed Lentz. CCA credits in Nutrient Management will be offered.

Cost: Free if registered before February 9.

Location: Hancock County Agricultural Service Center, 7868 County Road 140, Findlay, OH 45840

Contact: Ed Lentz, (419)422-3851, lentz.38@osu.edu

Nitrogen Stabilizers, Starters, Micros, Sulfur and Nutrient Enhancers - How Important Are They for Corn Production?

February 22 6:30 PM-8:00 PM Hancock County
 Speaker: Dr. Ed Lentz. CCA credits available for Nutrient Management.

Cost: Free if registered before February 19.

Location: Hancock County Agricultural Service Center, 7868 County Road 140, Findlay, OH 45840

Contact: Ed Lentz, (419)422-3851, lentz.38@osu.edu

Paulding County Agronomy Night

February 22 5:30 PM-9:00 PM Paulding County
 Paulding County Agronomy night will feature speakers John Schoenhals, Soybean Disease; Jeff Stachler, Weed Management; and John Fulton, Precision Agriculture.
 Commercial PAT credits: Category 2c (1 hour) and Category 15 (1 hour)
 CCA credits: 1 hour NM, 1 hour IPM, 1 hour CM

Cost: \$25 if registered before February 8, otherwise cost increases to \$40.

Dinner included in Registration

Location: Paulding County Extension Office, 503 Fairground Drive, Paulding, OH 45879

Register online at paulding.osu.edu

Contact: Sarah Noggle, (419)399-8225, noggle.17@osu.edu

**Agricultural Grain Program**

March 1 3:30 PM-9:00 PM
 Crawford County
 Agricultural Grain Program with PAT
 CORE, 1, 2, 3, 4, 5, 6, 7 and 1 Hour
 Fertilizer Re-certification

Cost: \$50 if registered before February 22.

Dinner included in Registration

Location: Wayside Chapel, 2341 Kersetter Rd., Bucyrus, OH 44820

Contact: Jason Hartschuh, (419)562-8731, hartschuh.11@osu.edu

Computerized Farm Record Keeping Workshop with Quicken® (Series) Must attend both sessions

9:00 AM-12:00 PM

Paulding County

Are you a farmer looking for a better way to keep your farm records? As farm size, income or debt increases, many farmers and lenders look for computer programs that allow fast data entry, have internal checks for accuracy and allow summarizing of data. Most farmers begin their search by asking "Is there a simple computer program that will keep my records like the farm account books?" Participants will learn about 2018 Quicken® using an OSU Computer Lab provided during workshop with 2018 Quicken® software installed. A workshop manual/home reference will be provided.

February 20- Quicken® overview, Data entry that makes useful Reports.

February 27- Reports, Income & Expenses by Enterprise, Farm and Across Years, Reconcile, Data Management and Analysis.

Cost: \$75 per farm (up to 2 people) if registered before February 6. No late registrations accepted.

Registration is based upon the farm business and allows 2 people to attend. Class space is limited to 20 people/farms. Please call with additional questions.

Location: Paulding County Extension Office, 503 Fairground Drive, Paulding, OH 45879

Register online at paulding.osu.edu

Contact: Sarah Noggle, (419)399-8225, noggle.17@osu.edu

**Grain Marketing Tools and Commodity Outlook**

February 20

6:30 PM-8:30 PM

Williams County

Jim Byrne of Byrne Agricultural Marketing, a full-service commodity brokerage, will provide an update on ag commodity markets, including South American weather, spring planting intentions, and price target ideas. An overview of hedging and futures/options will also be discussed. Bring your questions and learn what tools are available to help manage price risk for the upcoming year.

Cost: Free if registered before February 15. *Light refreshments provided with Registration*

Location: Williams County Extension Office, 1425 East High Street, Bryan, OH 43506

Contact: John Schoenhals, (419)636-5608, schoenhals.2@osu.edu



Planning for the Future of Your Farm

February 5 9:30 AM-4:00 PM Williams County

Is your farming operation poised for success for many years in the future? Interested in bringing the next generation onto the farm or desire to learn about the tools available for use in estate planning and retirement strategies? This program will help answer these questions and more. Featured speakers include Robert Moore of the Wright & Moore Law Company, and Peggy Hall and David Marrison of OSU Extension.

Cost: \$10 if registered before January 26. *Lunch included in Registration*

Location: Williams County Extension Office, 1425 East High Street, Bryan, OH 43506

Register online at <https://williams.osu.edu/2018programs>

Contact: John Schoenhals, (419)636-5608, schoenhals.2@osu.edu

Farm Management Series - Fulton County (Series)

9:00 AM-3:00 PM Fulton County

February 6- Transition & Estate Planning: key transition questions to answer, legal structures and issues, business planning, difficult discussions, etc.

February 13- Financial Planning: Preparing good farm financial statements, handling farm financial stress, financial advisory panel, MS Excel tips. Please bring your own laptop if possible.

February 20- Production Planning: Outlook for inputs, enterprise budgeting, cost of production, land issues. Bring a laptop if possible.

February 27- Taking Your Farm a Different Direction: non-GMO production, organic transition, ag tourism, niche livestock or crops.

Cost: \$60 for the series or \$20 for one session. if registered before February 1, otherwise cost increases to \$70 for the series or \$25 per session. *Lunch included in Registration*

Location: Fulton County Extension Office, 8870 SR 108, Suite A, Wauseon, OH 43567

Register online at : www.fulton.osu.edu

Contact: Eric Richer, (419)337-9210, richer.5@osu.edu



Conservation Tillage Conference (CTC)

March 6-7 8:00 AM-6:00 PM Hardin County

March 6- Lunch Included, CCA and CLM Credits

March 7- Lunch Included, CCA and CLM Credits

Cost: \$65/day or \$85/both days if registered before February 26, otherwise cost increases to \$80/day or \$105/both days. *Lunch included in Registration*

Location: Ohio Northern University, McIntosh Center, 402 W. College, Ada, OH 45810

Register online at ctc.osu.edu, also see: Conservation Tillage & Technology Conference - Facebook

Contact: Mark Badertscher, (419)674-2297, badertscher.4@osu.edu

Williams County Agronomy Night

March 12 5:30 PM-8:30 PM Williams County

A variety of speakers will discuss weeds management (with an emphasis on marestail, waterhemp, and Palmer amaranth), corn and soybean fertility (with an emphasis on sulfur and micronutrients), Western Bean Cutworm, and more. CCA Credits (NM: 1, CM: 1, IPM: 0.5) will be available.

Cost: Free if registered before March 5. *Dinner included in Registration*

Location: Williams County Extension Office, 1425 East High Street, Bryan, OH 43506

Register online at <https://williams.osu.edu/2018programs>

Contact: John Schoenhals, (419)636-5608, schoenhals.2@osu.edu

Agronomy Day (with 1 hour Fertilizer Recertification)

March 22 9:00 AM-3:30 PM Van Wert County

Fertilizer Recertification during the Ag Day Program

Cost: \$10 if registered before March 16. *Lunch included in Registration*

Location: Van Wert County Extension Office, 1055 S. Washington St., Van Wert, OH 45891

Contact: Curtis Young, (419)238-1214, young.2@osu.edu



Farm Business Management Series

9:30 AM-11:30 AM

Paulding County

January 11- Farm Financial Stress Strategies, Addressing the Family Living Expense in your Farm Budget; Healthcare Options when you are farming full time or part-time; Addressing the Healthcare tax options

February 1- Topics will be Best Management Practice for Farm Leases and Cash Rental Agreements; Robert Moore of Moore & Wright will present a session on LLCs

February 8- Enterprise Budgets, Calculating the Costs of Production, Farm Income Statement: Cash vs Accrual, Lender/Finance Advisory Panel Q & A

Cost: \$60 for the series or \$25 for one session. if registered before January 5
Light refreshments provided with Registration

Location: Paulding County Extension Office, 503 Fairground Drive, Paulding, OH 45879

Contact: Sarah Noggle, (419)399-8225, noggle.17@osu.edu

2018 Farm Outlook Meeting

6:00 PM-9:00 PM

Defiance County

January 29

Grain Markets - Matt Roberts, Kernmantle Group

Examining the Ohio Farm Economy - Barry Ward, Ohio State University Extension

Global Economy - Ian Sheldon, Ohio State University, Ag, Env, Dev Economics

Cost: \$10 if registered before January 22, otherwise cost increases to \$20.

Dinner included in

Location: Jewel Community Center, 7900 Independence Road, Defiance, OH 43512

Register online at: defiance.osu.edu, Payment to OSU Extension Defiance County Office: check, cash or credit card.

Contact: Bruce Clevenger, (419)782-4771, clevenger.10@osu.edu

Farmer's Agricultural Income Tax Webinar

10:00 AM -12:00 PM

On-line

January 29

Topics to be covered include: Income and Deductions, Transfer of Farm Assets, Farm Employees, Self-employment Tax and Social Security Benefits, Miscellaneous Ag Tax Issues

Cost: \$35

Register online at: go.osu.edu/taxschools

Contact: Julie Moose, (614)292-2433, moose.14@osu.edu



**EYE ON
PROFITABILITY**

Computerized Farm Record Keeping Workshop with Quicken® (Series)

9:30 AM-12:00 PM

Defiance County

Hands-on, 2 sessions, computer and 2018 Quicken Deluxe software provided during workshop, take home training manual provided.

January 31- Quicken® overview, Data entry that makes useful Reports.

February 7- Reports, Income & Expenses by Enterprise, Farm and Across Years, Reconcile, Data Management and Analysis.

Cost: \$75 per farm (up to 2 people) if registered before January 24. No late registrations accepted. Limited seating for 10 Farms

Location: Defiance County Extension Office, 06879 Evansport Road, Defiance, OH 43512

Register online at defiance.osu.edu

Contact: Bruce Clevenger, (419)782-4771, clevenger.10@osu.edu

Annie's Project Retreat

February 2-4

Champaign County

February 2- 4:30 pm: Registration; Introduction, Real Colors, Family and Business Communication

February 3- 7:30 am - 8:30 pm, Farm Business Planning; Mission statement and goal setting, developing a business plan, balance sheets and credit scores. Retirement and Farm Transition; Preparing for retirement, farm transition and scession planning. Managing Production Risk; Insurance, diversification, direct and grain marketing. Government and Political; Telling your story, CAUV, Farm Service Agency and USDA-NRCS.

February 4- 8:00 am - 11:00 am, Legal Liability; Liability issues, contracts, leases, and program evaluation.

Cost: \$95 per participant if registered before January 19. No late registrations accepted.

All lodging, materials and meals are included. Please bring bedding and towels. Make checks payable to: OSU Extension. Mail registration & check to: Champaign County Extension, 1512 South US Hwy 68, Suite B100, Urbana, OH 43078.

Location: Western Buckeye Christian Camp, 5455 Roeth Rd., Houston, OH 45333

Register online at <https://champaign.osu.edu/sites/champaign/files/imce/2018%20Annie's%20Retreat%20Western.pdf>

Contact: Amanda Douridas, (937)484-1526, douridas.9@osu.edu

