

Ohio State University Extension
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OHIO STATE UNIVERSITY EXTENSION

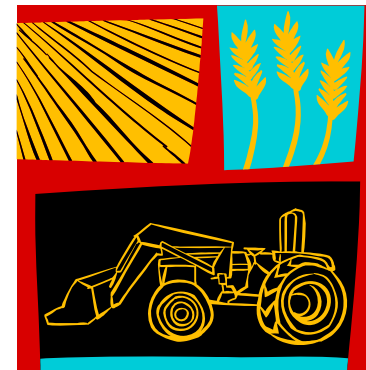
January 2015

Ohio—Northwest Region

Agriculture and Natural Resources Newsletter

In this issue

- Pesticide Applicator Training & Testing, and Ag Fertilizer Certification
- Agronomy Events
- Farm Business Management
- Horticulture
- Natural Resources
- Livestock Production
- Miscellaneous Ag Events



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 letter to applicators needing to renew.)

In addition, please note that Ohio Dept. of Agriculture Pesticide Applicator License renewal fees can be paid prior to attending recertification training.

Maumee Valley EERA

Defiance County
http://defiance.osu.edu
Bruce Clevenger
419-782-4771
clevenger.10@osu.edu

Fulton County
http://fulton.osu.edu
Eric Richer
419-337-9210
richer.5@osu.edu

Hancock County
http://hancock.osu.edu
Ed Lentz
419-422-3851
lentz.38@osu.edu

NW Ohio Greenhouse
Systems—Henry County
Beth Scheckelhoff
419-592-0806
scheckelhoff.10@osu.edu

Lucas County
http://lucas.osu.edu
Amy Stone
419-578-6783
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Paulding County
http://paulding.osu.edu
Sarah Noggle
419-399-8225
noggle.17@osu.edu

Putnam County
http://putnam.osu.edu
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419-523-6294
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Van Wert County
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Curtis Young
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young.2@osu.edu

Williams County
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Florian Chirra
419-636-5608
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Top of Ohio EERA

Hardin County
http://hardin.osu.edu
Mark Badertscher
419-674-2297
badertscher.4@osu.edu

Erie Basin EERA

Crawford County
http://crawford.osu.edu
Jason Hartschuh
419-362-8731
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Erie County
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Tim Malinich
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Huron County
http://huron.osu.edu
Mike Gastier
419-668-8219
gastier.3@osu.edu

Sandusky County
http://sandusky.osu.edu
Allen Gahler
419-334-6340
gahler.2@osu.edu

Wood County
http://wood.osu.edu
Alan Sundermeier
419-354-9050
sundermeier.5@osu.edu

**OSU Extension Corn, Soybean and Wheat
Computer Webinar for 2015**

Programs will be live during the day from 10-11:30 and then provided as recordings after 5 p.m. Website: <http://agcrops.osu.edu/calendar>

January 20, 10 am—11:30 am

Precision:

Using Precision Ag to Make Informed Decisions - John Fulton.
Second topic to be determined related to Precision Ag.

February 3, 10 am –11:30 am

Soybean:

Agronomic Practices to Maximize Soybean Yield - Laura Lindsey.
Late Season Soybean Pest issues - Andy Michel

February 17, 10 am—11:30

Corn:

Corn Interaction with Today's Production Management Systems-Peter Thomison.
What is the latest on Ear Molds and Mycotoxins? - Pierce Paul

March 10, 10 am—11:30 am

Agronomic Utilization of Manure:

Expectation of Manure Sourced Nutrients to Meet Crop Need - Steve Culman/Greg LaBarge.
Alternative Applications Timing to Take Advantage of Nitrogen-Glen Arnold



Ohio Pesticide Applicator Site—<http://pested.osu.edu>

- *Meeting Crop Needs with Manure Nutrients*
by Dr. Ed Lentz, OSU Extension Crop Specialist

March 23

Beef Producer's Meeting—Putnam

6:30 pm, OSU Extension Putnam Co., 1206 E. Second St., Ottawa, OH 45875; Free, rsvp to 419-523-6294; Sponsor is Putnam Co. Cattlemen.

April 2

Backyard Poultry Workshop—Paulding

9:30 am—1:30 pm at the Youth Leadership Center, 503 Fairground Dr., Paulding, OH 45879; \$35 register by Mar. 23—make check payable to Ohio State University Extension; Intensive hands-on workshop for the new or inexperienced small-scale chicken farmer.
Contact: Sarah Noggle 419-399-8225, noggle.17@osu.edu

Miscellaneous Ag Events

March 18

Ag Appreciation and Hall of Fame Breakfast

8:00 am—10:00 am

Location: Defiance K of C Hall, 111 Elliott Rd, Defiance, OH 43512

Hall of Fame Applications Deadline Feb 1st.

Available at <http://defiance.osu.edu>

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

Training for Ohio Private Pesticide Applicator's Recertification/License and Ohio Ag Fertilizer Certification

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).

Training is \$35 if pre-registered or \$60 at the door. You can register with the county Extension office or online at <http://pested.osu.edu>

Jan. 22	Hancock Co. Ag Service Center 7868 CR 140 Findlay, OH 45840	Contact: Ed Lentz 419-422-3851 lentz.38@osu.edu
	9 am—12 pm pesticide recertification Categories 1,2,3,4,5,6,7 (Lunch on your own)	1:30-3:30 pm Fertilizer Certification (must have a pesticide license)
Jan. 22	Corn & Soybean Day Founder's Hall at Sauder Village 22611 SR 2 Archbold, OH 43501 Not a full 3-hr. PAT recert. 2015	pre-register by 1/13 (limited availability 1/22) Contact: Eric Richer 419-337-9210 richer.5@osu.edu
	9:30 am—3:30 pm Categories: 1 hr. Core, .5 hr. of 6 Other credits available, contact Eric	Fertilizer Certification (3-hr complete Fertilizer Certification)
Jan. 29	Northern Ohio AG Day Masters Bldg Wyandot Co. Fairgrounds 10171 SR 53 Upper Sandusky, OH 43351	Contact: Mike Gastier 419-668-8219 gastier.3@osu.edu
	9 am—12 pm pesticide recertification Categories 1,2,3,4,5,6,7 (Lunch included in registration)	1-4 pm Fertilizer Certification (3-hr training)
Feb. 2	OSU Extension Van Wert Co. 1055 S. Washington St. Van Wert, OH 45891	Contact: Curtis Young 419-238-1214 young.2@osu.edu
	9 am—12 pm pesticide recertification Categories 1,2,3,4,5,6,7 (Lunch on your own)	1—3 pm Fertilizer Certification (must have a pesticide license)
Feb. 3	Knights of Columbus Hall 718 Napoleon Road Kalida, OH 45853	Contact: James Hoorman 419-523-6294 hoorman.1@osu.edu
	10 am—1 pm pesticide recertification Categories 1,2,3,4,5,6,7	8-10 am Fertilizer Certification (must have a pesticide license)
Feb. 3	Ehove Career Center 316 West Mason Road Milan, OH 44846	Contact: Tim Malinich 419-627-7631 malinich.1@osu.edu
	6—9 pm Categories Core, 1,2,3,4,5,6,7	(Fertilizer Cert. on 2/10)

February 25 NW Ohio Livestock Producer's Meeting

Manure Management—Paulding

12 pm (lunch provided) at the Youth Leadership Center, 503 Fairground Drive, Paulding, OH 45879; Speaker: Glen Arnold, OSU Extension Field Specialist Manure Nutrient Management Systems
2-hrs CLM credits applied for; Free but reservation required — call 419-399-8225 or email noggle.17@osu.edu

February 26

Dairy Calf Management Workshop—Defiance

10 am—2:30 pm at Bok Jersey Farm, 11311 Krouse Road, Defiance, OH 43512; \$20 per farm (includes lunch); RSVP by Feb. 19. Topics: Nutrition, Health, Environment, & Care
Speakers: Dr. Maurice Eastridge and Dianne Shoemaker
Contact: Bruce Clevenger 419-782-4771, clevenger.10@osu.edu

March 18 NW Ohio Livestock Producer's Meeting

Topic To Be Announced

12 pm (lunch provided) at OSU Extension Paulding Co., 503 Fairground Drive, Paulding, OH 45879; Speaker: Kevin Elder, ODA. 2-hrs CLM credits applied for; Free but reservation required — call 419-399-8225 or email noggle.17@osu.edu

March 19

Getting the Most Out of Manure Nutrients—Hancock

6:30-8:30 pm at Hancock Co. Agricultural Service Center, 7868 CR 140, Findlay, OH 45840; No fee or registration required.

- *Alternative Applications Timing to Take Advantage of Nitrogen*
by Glen Arnold, OSU Extension Field Specialist Manure Nutrient Management Systems

January 28**Putnam County Beef Banquet**

6:30 pm at K of C Hall, 718 Napoleon Rd., Kalida, OH 45853; \$10 fee. Contact: James Hoorman 419-523-6294 or hoorman.1@osu.edu

February 2, 9, 16, & 23**Sheep and Goat Webinar**

7—9 pm, Hancock & Hardin Extension offices
No fees, attend all 4 or individual sessions.

- **Feb. 2** Tips for Fine Tuning Your Flock/Herd FAMACHA Program by Clif Little, OSU Extension
- **Feb. 9** Tips for Managing Major Sheep & Goat Diseases: OPP, CAE, Caseous Lymphadenitis, Johnes, Scrapie, and Cache Valley Virus by Dr. Eric Gordon, OSU Veterinary Clinical Medicine
- **Feb. 16** Tips for Reducing Feed Losses from Silage & Hay by Dr. Bill Weiss, OSU Department of Animal Sciences
- **Feb. 23** Tips for Improving Lambing and Kidding Percentages: Management, Genetics, and Selection; by Dr. Susan Schoenian, University of Maryland Small Ruminant Specialist

Hancock Co. call Ed Lentz 419-422-3851, lentz.38@osu.edu

Hardin Co. call Mark Badertscher 419-674-2297

badertscher.4@osu.edu

February 16**Managing Cattle Operations for Profit—Fulton**

7-9 pm at Robert Fulton Ag Center, 8770 SR 108, Wauseon, OH 43567. Taught by Dr. Stephen Boyles—OSU Department of Animal Sciences, this session will focus on receiving and growing strategies for calves vs yearlings; Holstein growing & finishing, feed efficiency with alternatives, and a look at recent cattle budgets. \$10 fee at the door. Contact: Eric Richer 419-337-9210, richer.5@osu.edu

Ohio Pesticide Applicator Site—<http://pested.osu.edu>

Feb. 5	Northern Ohio Crops Day “Ole Zim’s” Wagon Shed 1375 N. SR 590 Gibsonburg, OH 43431	Contact: Allen Gahler 419-334-6340 gahler.2@osu.edu
	9 am–12:15 pm pesticide recertification Categories CORE, 1,2,3,4,5,6,7 (Lunch included in registration)	1—4:30 pm Fertilizer Certification (3-hr training)
Feb. 12	Huron Co. Admin Building 180 Milan Ave. Norwalk, OH 44857	Contact: Mike Gastier 419-668-8219 gastier.3@osu.edu
	9 am—12 pm pesticide recertification Categories Core, 1,2,3,4,5,6,7 (Lunch included in registration)	1—3 pm Fertilizer Certification (must have a pesticide license)
Feb. 16	Seneca Co. Public Safety Building 100 Hopewell Ave. Tiffin, OH 44883	Contact: Mike Gastier 419-668-8219 gastier.3@osu.edu
	9 am—12 pm pesticide recertification Categories Core, 1,2,3,4,5,6,7 (Lunch included in registration)	1—3 pm Fertilizer Certification (must have a pesticide license)
Feb. 16	OSU Extension Defiance Co. 06879 Evansport Road Suite B Defiance, OH 43512	Contact: Bruce Clevenger 419-782-4771 clevenger.10@osu.edu
	9 am—12 pm pesticide recertification Categories Core, 1,2,3,4,5,6,7 (Lunch on your own)	1:30-3:30 pm Fertilizer Certification (must have a pesticide license)
Feb. 18	Ottawa County Fairgrounds 1286 Ottawa Beach Road Holland, OH 49424	Contact: Allen Gahler 419-334-6340 gahler.2@osu.edu
	9 am—12 pm pesticide recertification Categories Core, 1,2,3,4,5,6,7 (Lunch included in registration)	1—3 pm Fertilizer Certification (must have a pesticide license)
Feb. 19	Robert Fulton Ag Center 8770 SR 108 Wauseon, OH 43567	Contact: Eric Richer 419-337-9210 richer.5@osu.edu
	9 am—12 pm pesticide recertification Categories Core, 1,2,3,4,5,6,7 (Lunch on your own)	1:30-3:30 pm Fertilizer Certification (must have a pesticide license)

Feb. 24	OSU Extension Paulding Co. 503 Fairground Drive Paulding, OH 45879	Contact: Sarah Noggle 419-399-8225 noggle.17@osu.edu
<i>register by Feb. 12 for \$35</i>	9 am—12 pm pesticide recertification Categories Core, 1,2,3,4,5,6,7 (Lunch on your own)	1:30-3:30 pm Fertilizer Certification (must have a pesticide license)
Feb. 26	Longview Center 1495 W. Longview Ave. Mansfield, OH 44906	Contact: Mike Gastier 419-668-8219 gastier.3@osu.edu
	9 am—12 pm pesticide recertification Categories Core, 1,2,3,4,5,6,7 (Lunch included in registration)	1—3 pm Fertilizer Certification (must have a pesticide license)
Mar. 10	Delphos Eagles Club 1600 E. 5th St. Delphos, OH 45833	Contact: Curtis Young 419-238-1214 young.2@osu.edu
	6—9 pm pesticide recertification Categories 1,2,3,4,5,6,7	No Fertilizer Certification
Mar. 10	Wood Co. Fairgrounds Jr Fair Bldg. 13800 West Poe Road Bowling Green, OH 43402	Contact: Alan Sundermeier 419-354-9050 sundermeier.5@osu.edu
	6—9 pm pesticide recertification Categories Core, 1,2,3,4,5,6,7	(Fertilizer Cert. on 3/12)
Mar. 12	The Ripley Church 4130 Edwards Road Greenwich, OH 44837	Contact: Mike Gastier 419-668-8219 gastier.3@osu.edu
	9 am—12 pm pesticide recertification Categories Core, 1,2,3,4,5,6,7 (Lunch included in registration)	1—3 pm Fertilizer Certification (must have a pesticide license)
Mar. 12	Hancock Co. Ag Service Center 7868 CR 140 Findlay, OH 45840	Contact: Ed Lentz 419-422-3851 lentz.38@osu.edu
	6—9 pm pesticide recertification Categories 1,2,3,4,5,6,7	No Fertilizer Certification
Mar. 17	Knights of Columbus Hall 718 Napoleon Road Kalida, OH 45853	Contact: James Hoorman 419-523-6294 hoorman.1@osu.edu
	6—9 pm pesticide recertification Categories Core, 1,2,3,4,5,6,7	4-6 pm Fertilizer Certification (must have a pesticide license)

January 7

NW Ohio Livestock Producer's Meeting

Facility Biosecurity Review & Update—Paulding

12 pm (lunch provided) at the Youth Leadership Center, 503 Fairground Dr., Paulding, OH 45879; Speaker: Dr. Tim Barman DVM—Cooper Farms; 2-hrs CLM credits applied for; Free but reservation required—call 419-399-8225 or email noggle.17@osu.edu

January 7, 14, 21, & 28

Stored Forage Production School Webinar

12:30-3:30 pm at various local Extension offices; Emphasis on forages for dairy users, but beef & sheep users will also benefit from the course; \$30 fee (includes notebook), Late registrations until Jan. 3

- OSU Extension Hardin Co., 1021 W. Lima St., Kenton, OH 43326. Contact: Mark Badertscher 419-674-2297, badertscher.4@osu.edu
- Sandusky and Ottawa Counties - Jan. 7 & 14 at OSU Extension Sandusky Co., 2000 Countryside Dr., Fremont, OH 43420; and Jan. 21 & 28 at OSU Extension Ottawa Co., 240 W. Lake St., Oak Harbor, OH 43449
Contact: Allen Gahler 419-334-6340 or gahler.2@osu.edu

January 27, February 10 & 24

Ohio Beef Cattle School Webinar Series

Topics for 2015 include sustainable beef production, animal handling & facility design, manure management & application issues, future of antibiotic use, and capitalizing on a historic beef economy

- 7-9 pm at OSU Extension Hardin Co., 1021 W. Lima St., Kenton, OH 43326
Contact: Mark Badertscher 419-674-2297, badertscher.4@osu.edu
- 7-9:30 pm at Hancock Co. Agricultural Service Center, 7868 CR 140, Findlay, OH 45840
Contact: Ed Lentz 419-422-3851, lentz.38@osu.edu

and Gadgets: Technology in Fish and Wildlife Management”
Details will be available at <http://woodlandstewards.osu.edu>

March 4

2015 Ohio Woodland Water and Wildlife Conference

8:30 am—4 pm at Mid-Ohio Conference Center, 890 West 4th St., Mansfield, OH 44904; Intended for natural resource professionals and land managers to address current natural resource issues in Ohio.

Link: <http://woodlandstewards.osu.edu>

March 10

Tree Program—Lucas

7-8 pm at Monclova Twp. Meeting Room, 4335 Albon Rd., Monclova, OH; Learn about the importance of trees, ways to monitor & manage tree pests, and get recommendations for trees to consider for your landscapes.

Contact: Amy Stone 419-578-6783 or stone.91@osu.edu

April 16

Pond Clinic—Paulding (Horticulture, Home/Garden & Landscape Fair)

10 am—12 pm at Paulding Co. Youth Leadership Building, 503 Fairground Dr., Paulding, OH 45879; \$25 pre-register by Mar. 25, after that \$40; An intensive, hands-on class covering pond questions, fish selection & establishment, pond issues and management.

Contact: Sarah Noggle 419-399-8225 or noggle.17@osu.edu

Livestock Production

April—June

Ohio Certified Volunteer Naturalist Training—Wood

One night a week & some Saturdays; Must be age 18 or older, complete application, interview, & background check; \$200 for Wood Co. residents, \$250 residents of other counties; Applications due by Feb. 15. For location contact: Craig Everett 419-354-9050 Everett.33@osu.edu or Lori Parratt 419-353-1897 lparratt@wcparks.org

Mar. 19	Plaza Inn 491 S. Main Street Mt Victory, OH 43340	Contact: Mark Badertscher 419-674-2297 badertscher.4@osu.edu
	9 am—12 pm pesticide recertification Categories Core, 1, 2, 6 Call by 3/20 for other categories	1—3 pm Fertilizer Certification (must have a pesticide license)
Mar. 19	OSU Extension Paulding County 503 Fairground Drive Paulding, OH 45879	Contact: Sarah Noggle 419-399-8225 noggle.17@osu.edu
<i>register by Mar. 5 for \$35</i>	6-9 pm pesticide recertification Categories Core, 1,2,3,4,5,6,7 (Dinner on your own)	3-5 pm Fertilizer Certification (must have a pesticide license)
Mar. 23	Williams County East Annex 1425 E. High St. Bryan, OH 43506	Contact: Florian Chirra 419-636-5608 chirra.f@osu.edu
	6—9 pm pesticide recertification Categories Core, 1,2,3,4,5,6,7	No Fertilizer Certification
Mar. 31	Crawford County Fairgrounds 610 Whetstone St. Bucyrus, OH 44820	Contact: Jason Hartschuh 419-562-9731 hartschuh.11@osu.edu
	3-6:30 pm pesticide recertification Categories Core, 1,2,3,4,5,6,7 (Dinner included in registration)	7:30-9:30 pm Fertilizer Certification (must have a pesticide license)

NEW Private Pesticide Applicator Training Session

This is a “crash course” of how and what to study in preparation for CORE and Category I (grain/cereal crops) private pesticide applicator testing. Additional personal preparation and study time is suggested.

Mar. 11	OSU Extension Paulding County 503 Fairground Drive Paulding, OH 45879	Contact: Sarah Noggle 419-399-8225 noggle.17@osu.edu
	9-11 am, Study materials should be purchased prior to this date or upon registering via OSU Extension Paulding County. \$20 if registered by 2/25; \$35 after that or at the door	

Apr. 7	OSU Extension Putnam County 1206 E. Second St., Ottawa, OH 45875	Contact: James Hoorman 419-523-6294 hoorman.f@osu.edu
	10 am—12 pm (Testing opportunity at 1 pm—register with ODA)	

TESTING for Private Pesticide Applicator License

Pre-register with the Ohio Department of Agriculture

Web site — <http://www.agri.ohio.gov/apps/odaprs/pestfert-prs-index.aspx>

Or Phone — 1-800-282-1955

The following testing sessions still have openings at the date of this publication. Seating is limited at these sites, so register early!

Jan. 8	Robert Fulton Ag Center 8770 SR 108, Wauseon OH 43567	10 am
Jan. 13	Owens Community College	1 pm
Jan. 21	OSU Lima Campus Public Serv. Bldg., #212, 4240 Campus Dr., Lima	10 am
Jan. 22	Nia Conference Center 7000 Kalahari Dr., Sandusky OH 44870	10 am
Jan. 28	OSU Extension, Defiance County 06879 Evansport Road Suite B, Defiance OH 43512	10 am
Feb. 10	Owens Community College 30335 Oregon Rd., Perrysburg OH 43551	1 pm
Feb. 12	Robert Fulton Ag Center	10 am
Feb. 18	OSU Lima Campus	10 am
Feb. 25	OSU Extension, Defiance County	10 am
Mar. 10	Fulton Co. Fairgrounds—Fire Hall 8514 SR 108, Wauseon OH 43567	10 am
Mar. 11	OSU Lima Campus	10 am
Mar. 12	Robert Fulton Ag Center	10 am
Mar. 24	OSU Extension, Wood County 639 S Dunbridge Rd. Ste 1, Bowling Green OH 43402	1 pm
Mar. 25	OSU Extension, Defiance County	10 am
Apr. 7	OSU Extension, Putnam Co. 1206 E. Second St., Ottawa OH 45875	1 pm
Apr. 9	Robert Fulton Ag Center	10 am
Apr. 15	OSU Lima Campus	10 am
Apr. 15	OSU Extension, Wood County	1 pm
Apr. 22	OSU Extension, Defiance County	10 am

Website: producesafety.osu.edu

Contacts: Lindsey Hoover 330-202-3555x2918

hoover.482@osu.edu

February 28

Seed Swap—Lucas

12-3 pm at Woodward High School, 701 E. Central Ave., Toledo, OH 43608; This event is coordinated by Toledo Botanical Garden's community outreach program "Toledo GROWS". It's a gardener's delight as hundreds of gardeners gather to swap seeds.

Contact: Lee Richter at richter.71@osu.edu or phone OSU Extension Lucas County's Horticulture Office 419-578-6783

April 17

NW Ohio Berry School—Paulding

8:30 am—3:30 pm at Paulding Co. Youth Leadership Building, 503 Fairground Dr., Paulding, OH 45879; \$40 pre-register by Mar. 25, after that \$60 (lunch included); An intensive, hands-on class covering strawberry, blackberry, & raspberry production, soil testing & interpreting results, grape/wine production, fruit preservation & more. Attendees will receive a *Midwest Fruit Production Guide* book.

Contact: Sarah Noggle 419-399-8225 or noggle.17@osu.edu

May 15-16

MGV Plant Sale—Paulding

7:30 am—5 pm on Friday, 7:30 am—12 pm on Saturday, at Paulding Co. Fairgrounds, 503 Fairground Dr., Paulding, OH; 14th yearly plant sale of the OSU Extension MGV's of Paulding County. Annuals, perennials, houseplants, ornamentals, flowers, herbs & shrubs grown locally by volunteers.

Contact: Sarah Noggle 419-399-8225 or noggle.17@osu.edu

Natural Resources

February 6

Ohio Fish and Wildlife Conference—Columbus

8:30 am—3:30 pm at Fawcett Center, 2400 Olentangy River Rd., The Ohio State University, Columbus; Theme is "Gizmos

April 1

Lady Landlord—Paulding

9:30 am—3 pm at OSU Extension, Paulding County
503 Fairground Drive, Paulding, OH 45879. \$35 pre-register by 3/18, after that \$50 (lunch included). Day-long intensive educational program intended for female land partners & landowners. This class is based upon need for succession planning and financial management in farm businesses.
Contact: Sarah Noggle 419-399-8225 or noggle.17@osu.edu

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://go.osu.edu/farmbudgets>

Horticulture

January 19-21

Ohio Produce Growers and Marketing Association
Congress Kalahari Convention Center, Sandusky, OH 44870;
<http://opgma.org/events>

February 26

Good Agricultural Practices (GAP) Training—Fulton & Lucas

9 am—12 noon at Robert Fulton Ag Center, 8770 SR 108, Wauseon, OH 43567; \$20 fee per person for GAP training.
• Lunch 'n Learn 12-2:30 pm \$10 for those interested in a CSA or marketing co-op; Contact Eric Richer 419-337-9210

OR 1-4 pm at Toledo Botanical Garden Terrace Room, 5403 Elmer Dr., Toledo, OH 43615; Free workshop thanks to funding from the Ohio Department of Agriculture's Specialty Crop Block Grant Program. Topics: Water pre & post harvest; biological soil amendments; good handling practices.

3-Hour Fertilizer Certification Training

Ohio Senate Bill 150 requires farmers with 50 or more acres to attend a course on fertilizer application. The 3-hr sessions are intended for any fertilizer applicator (with or without a current pesticide applicator license). The program supports responsible practices and promotes the “4R” program and allows continued ag industry growth.

Jan. 22 Corn & Soybean Day pre-register by 1/13, \$35
Founder's Hall at Sauder Village (limited availability 1/22)
22611 SR 2 Contact: Eric Richer
Archbold, OH 43501 419-337-9210, richers.5@osu.edu

Day-long program is 8:30 am—3:30 pm
3-hr Fertilizer Certification Course
1.5 hrs. Pesticide Recertification: 1-hr Core, & 0.5 hr of category 6

Jan. 29 Northern Ohio AG Day Contact: Mike Gastier
Masters Bldg Wyandot Co. Fairgrounds 419-668-8219
10171 SR 53 gastier.3@osu.edu
Upper Sandusky, OH 43351

Day-long program is 9 am—4 pm
1-4 pm: 3-hr Fertilizer Certification
9 am—12 pm: 3-hr Pesticide Recertification

Feb. 5 Northern Ohio Crops Day Contact: Allen Gahler
“Ole Zim’s” Wagon Shed 419-334-6340
1375 N. SR 590 gahler.2@osu.edu
Gibsonburg, OH 43431

1-4:30 Fertilizer Certification Course

Feb. 9 Young Farmers Program Contact: Eric Richer
Wauseon, OH 43567 419-337-9210
richers.5@osu.edu

6—9 pm: 3-hr Fertilizer Certification Course, \$10 at the door

Feb. 10 Eho Career Center Contact: Tim Malinich
316 West Mason Road 419-627-7631
Milan, OH 44846 malinich.1@osu.edu

6—9 pm: 3-hr Fertilizer Certification Course

3-Hour Fertilizer Certification Training continued . . .

Feb. 17 Van Wert Co. Agronomy Day
OSU Extension Van Wert
1055 S. Washington St.,
Van Wert, OH 45891

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

Day-long program is 8:30 am—4 pm
3-hr Fertilizer Certification
Pesticide Recertification and CCA credits available also.

Mar. 5 Ohio Northern University
McIntosh Center, 525 S. Main Street
Ada, OH 45810

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

9 am—12 pm: 3-hr Fertilizer Certification Course

Mar. 9 Williams County East Annex
1425 E. High Street
Bryan, OH 43506

Contact: Florian Chirra
419-636-5608
chirra.f@osu.edu

6—9 pm: 3-hr Fertilizer Certification Course

Mar. 11 OSU Extension Defiance County
06879 Evansport Road Suite B
Defiance, OH 43512

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

9 am—12 pm: 3-hr Fertilizer Certification Course

Mar. 12 Wood Co. Fairgrounds, Jr Fair Building
13800 W. Poe Road
Bowling Green, OH 43402

Contact: Alan Sundermeier
419-354-9050
sundermeier.5@osu.edu

6—9 pm: 3-hr Fertilizer Certification Course

Apr. 7 OSU Extension Paulding County
503 Fairground Drive
Paulding, OH 45879

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

9 am—12 pm: 3-hr Fertilizer Certification Course

Apr. 9 OSU Extension Defiance County
06879 Evansport Road Suite B
Defiance, OH 43512

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

6—9 pm: 3-hr Fertilizer Certification Course

Farm Business Management continued . . . Page 19

ranch women. Its mission is to empower participants to become better business partners through networks and by gaining management and organizational skills which are critical farm business decision tools.

February 2, 9, 16, & 23

Young Farmer Series—Fulton

Robert Fulton Ag Center, 8770 SR 108, Wauseon, OH 43567; \$10 per couple or individual per night (includes refreshments & materials) Intended for younger farmers/ couples who are new to farming or plan to join a family farm operation in the future.

Feb. 2 from 7-9 pm: Sharpening the Pencil in 2015 (Cost per bushel)

Feb. 9 from 6-9 pm: Fertilizer Certification & Training

Feb. 16 from 7-9 pm: Managing Cattle for Profit

Feb. 23 from 7-9 pm: So They're Ready for Farm Transition

Contact: Eric Richer 419-337-9210 or richer.5@osu.edu

February 11

Farmland Lease Workshop—Paulding

6-9 pm at OSU Extension Paulding County
503 Fairground Drive, Paulding, OH 45879
\$20 pre-register by 2/4, after that \$35

Intended for landowners who are cash renting, the program will cover "flex to cash rent", leasing options, factors affecting rates & leasing options, evaluating cash rent survey data, legal issues, analyzing good/bad leasing practices, developing a written lease. Instructors: Barry Ward & Peggy Hall from OSU Columbus Campus
Contact: Sarah Noggle 419-399-8225 or noggle.17@osu.edu

March 20

Women in Ag Conference—Wood

Day-long event, Nazareth Hall, 21211 W. River Rd., Grand Rapids, OH 43522; Keynote speaker: Carrie Mess; \$45 fee, must pre-register
For more information call 419-354-9050

- **Jan. 12—Defiance Co.**, 3-5 pm or 7-9 pm at OSU Extension Defiance Co., 06879 Evansport Rd., Defiance, OH 43512. Contact: Bruce Clevenger 419-782-4771 or clevenger.10@osu.edu
- **Jan. 13—Fulton Co.**, 7-9 pm at Robert Fulton Ag Center, 8770 SR 108, Wauseon, OH 43567 (contact Eric Richer, OSUE Fulton)
- **Jan. 29—Hancock Co.**, 10 am—12 pm at Hancock County Agricultural Service Center, 7868 CR 140, Findlay, OH 45840 (Contact Ed Lentz, OSUE Hancock)
- **Feb. 6—Defiance Co.**, 9-11 am at OSU Extension Defiance Co., 06879 Evansport Rd, Defiance, OH 43512. Contact: Bruce Clevenger 419-782-4771 or clevenger.10@osu.edu
- **Feb. 9—Defiance Co.**, 3-5 pm or 7-9 pm at OSU Extension Defiance, 06879 Evansport Rd, Defiance, OH 43512. Contact: Bruce Clevenger 419-782-4771 or clevenger.10@osu.edu

January 20

Grain Marketing Outlook —Hardin

7:30—9 am Speaker: Cal Whewell of FC Stone; Conservation Tillage Club Breakfast at Plaza Inn, 491 S. Main St., Mt Victory, OH 43340; Contact: Mark Badertscher 419-674-2297 or badertscher.4@osu.edu

February 3

Budgets, Cash Rent & the Bottom Line —Hardin

7:30—9 am Speaker: Dr. Barry Ward, The Ohio State University; Conservation Tillage Club Breakfast at Plaza Inn, 491 S. Main Street, Mt Victory, OH 43340
Contact: Mark Badertscher 419-674-2297 or badertscher.4@osu.edu

Annie's Project

- **Jan. 20, 27 & Feb. 3, 10, 17, and 24—Lucas Co.**
Contact Amy Stone 419-578-6783 or stone.91@osu.edu
- **Mondays, March 16—April 20 —Paulding Co.**
5:30-8:30 pm Paulding Youth Leadership Center, 503 Fairground Dr., Paulding OH 45879
\$100/person with locally available scholarships
Pre-register by Mar. 25; Limited to 24 participants
Contact: Sarah Noggle 419-399-8225 noggle.17@osu.edu

This is a national risk management education program for farm and

2-Hour Fertilizer Certification Training

The 2-hr sessions are intended for any fertilizer applicator with a current pesticide applicator license.

Jan. 19 Williams County East Annex
1425 E. High Street
Bryan, OH 43506

6:00 –8:00 pm, Pre-requisite: Private Applicator License, an alternate date is March 9.

Agronomy Events

January 7

Soil Health & Cover Crop Meeting—Putnam

8 am—4 pm at OSU Extension Putnam Co., 1206 E. Second Street, Ottawa, OH 45875; \$25 fee

In-depth training on soil nutrient recycling; soil compaction; how to plant, manage, & terminate cover crops; soil demos etc. Cost includes meal, handouts, & Midwest Cover Crops Field Guide.

Contact: James Hoorman 419-523-6294 or hoorman.1@osu.edu

January 9

Software for Developing Nutrient Management Plans Workshop—Hancock

9:30 am—3:30 pm at OSU Extension Hancock Co., 7868 CR 140, Findlay, OH 45840; (register by Jan. 2 via go.osu.edu/uu5)
For NRCS/SWCD personnel or Certified Crop Advisers wanting to become a NRCS Certified Nutrient Management Plan Provider Planner. The program provides a working knowledge of MapWindow GIS and MMP tools, which are approved tools for developing Fertilizer Only and Precision Fertilizer Only Nutrient Management Plans for NRCS programs such as EQUIP.

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

Contact: Greg LaBarge , 419-460-0600 or labarge.1@osu.edu

January 13**New Weed Management Options—Hardin**

7:30—9 am Speaker: Dr. Mark Loux, The Ohio State University; Conservation Tillage Club Breakfast at Plaza Inn, 491 S. Main Street, Mt Victory, OH 43340
Contact: Mark Badertscher 419-674-2297 or badertscher.4@osu.edu

January 20**Using Precision Ag to Make Informed Decisions Webinar**

10 am—12 pm at Hancock County Agricultural Service Center, 7868 CR 140, Findlay, OH 45840
Speaker: John Fulton, Precision Agriculture Specialist—The Ohio State University; CCA credits have been applied for.
Contact: Ed Lentz, 419-422-3851 or lentz.38@osu.edu

January 20

Soybean College—Paulding (Fulton to offer session on Feb. 17) 9 am—4 pm at OSU Extension Paulding Co., 503 Fairground Drive, Paulding, OH 45879; \$70 pre-registration only—due Jan. 13 or \$100 after Jan. 13; Designed for new or current producers, consultants, young and old. This day-long intensive, hands-on approach to soybean production course will feature specialists from The Ohio State University as they discuss max yield components, insects, disease, resistance, and Ohio trials. CEU, CCA, & PAT credits applied for.
Contact: Sarah Noggle, 419-399-8225 or noggle.17@osu.edu

January 22**Corn/Soybean Day—Fulton**

8:30 am—5:15 pm in Founder's Hall at Sauder Village 22611 SR 2, Archbold, OH 43502
Education Credits: Commercial Applicator (1-hr Core), Ohio Private Applicator (1-hr Core, 0.5-hr Category 6), and CCA—4 hrs. NM, IPM, & CM; FCT—3 hrs for complete Ohio Fertilizer Certification Training
\$35 pre-registration (pre-registration requested by 1/13/2015) \$60 at the door on a limited availability
Contact: Eric Richer 419-337-9210 or richer.5@osu.edu

Ag Outlook in Northwest Ohio

The Ohio State University Department of AEDE annually organizes these meetings to provide updates on key issues & policy changes, and market behavior with respect to farm, food, energy resources & the environment. The Ohio State University Department of AEDE annually organizes these meetings to provide updates on key issues & policy changes, and market behavior with respect to farm, food, energy resources & the environment.

January 7—Erie

- 4 pm at Bellevue VFW Hall, 6104 US 20, Bellevue, OH 44811; Free with RSVP by Jan. 2, \$22 at the door if no RSVP; Contact: Valerie Bumb 419-483-7340 or BumbV@fnblifetime.com

January 8—Wyandot, Wood, & Defiance

- **Wyandot Co.** 7:30 am at Wyandot Co. Fairgrounds—Masters Building, 10171 Ohio 53, Upper Sandusky, OH 43351; \$15 per person; RSVP by Jan. 2 to Ag Credit Upper Sandusky 419-294-4933
- **Wood Co.** 12 pm at Wood Co. Fairgrounds—Jr Fair Building, 13800 W. Poe Road, Bowling Green, OH 43402; \$15 per person; RSVP by Jan. 5 to OSU Extension Wood Co. 419-354-9050
- **Defiance Co.** 6:00 pm at Jewell Community Center, 7900 Independence Rd., Defiance, OH 43512; \$15 with RSVP by Jan. 5, or \$30 per person if no RSVP. Contact: Bruce Clevenger 419-782-4771 or clevenger.10@osu.edu

January 9—Putnam

- “Market Opportunities” 7:30-10:30 am at K of C Hall, 718 Napoleon Rd., Kalida, OH 45853; \$20 with RSVP by Dec. 30, after that fee is \$30 (includes breakfast) Contact: James Hoorman 419-523-6294 or hoorman.1@osu.edu

Farm Bill Informational Meetings

- **Jan. 7—Hardin Co.**, 6:30-9 pm at Hardin Co. Courthouse Veterans Hall, 1 Courthouse Square, Kenton, OH 43326
Call: Mark Badertscher 419-674-2297, badertscher.4@osu.edu
- **Jan. 8—Defiance Co.**, 1-3 pm at Jewell Community Center, 7900 Independence Road, Defiance, OH 43512. Contact: Bruce Clevenger, clevenger.10@osu.edu or 419-782-4771

March 31**Online Local Agriculture Resources Workshop—Paulding**

9 am—11:30 am at Youth Leadership Center, 503 Fairground Drive, Paulding OH 45879; Free if pre-registered by 3/24, after that \$5. Learn to navigate the Paulding County Auditor's website with Claudia Fickel. Make the most of the USDA-NRCS Online Web Soil Survey when creating maps and collecting data with Sarah Noggle. Contact: Sarah Noggle 419-399-8225 or noggle.17@osu.edu

New Video Series Available Online!

“The Science of Soil Health” is a new set of 16 short videos produced by The Ohio State University in cooperation with NRCS. The videos provide insight into how to improve soil health while benefiting the environment and lowering production costs. They can be found online at go.osu.edu/rqQ

Farm Business Management**Farm Bill Computer Classes**

- **Jan. 2** - Stryker High School Ag Room, 9 am—12 pm; limit of 25 participants; RSVP Matt Arnos, marnos@strykerpanth
- **Jan. 5** - Pettisville High School Ag Room, 7-9 pm; limit of 25 participants; RSVP John Poulson, jpoulson@pettisvilleschools.org
- **Jan. 12, Feb. 4, or Feb. 10** —Paulding FSA Office, 260 Dooley Dr., Paulding, OH 45879; 9-11 am or 12-2 pm; 10 computer limit. RSVP to noggle.17@osu.edu, 419-399-8225

January 22**Agronomy Night—Putnam**

6:30—9:30 pm at Knights of Columbus Hall
718 Napoleon Road, Kalida, OH 45853
Free of charge
Contact: James Hoorman 419-523-6294 or hoorman.1@osu.edu

January 28**Agronomy Day—Paulding**

8:30 am—3:30 pm; OSU Extension Paulding Co., 503 Fairground Drive, Paulding, OH 45879; \$35 pre-registration by Jan. 14 postmark; \$60 at the door with limited availability; Crop updates, research review, weed management, and succession planning; PAT & CCA credits applied for.
Contact: Sarah Noggle 419-399-8225 or noggle.17@osu.edu

January 29**Agronomy Day—Wyandot**

9 am—5 pm in Masters Building at Wyandot Co. Fairgrounds, 10202 N. Sandusky Avenue, Upper Sandusky, OH 43351.
Offering credits for Commercial & Private Pesticide Recertification training; Ohio Fertilizer Certification; and the latest agronomic information.
Contact: Jason Hartschuh 419-562-8731 or hartschuh.11@osu.edu

February 5**Northern Ohio Crops Day—Sandusky**

8:50 am—4:30 pm at “Ole Zim’s” Wagon Shed, 1375 N. SR 590, Gibsonburg, OH 43431; Intended for farmers, CCAs and industry personnel; \$15 fee—includes lunch, (Pesticide credits for a \$35 fee) Education credits available for CCAs, and Ohio Private & Commercial Pesticide Applicators, plus 3-hr Ohio Fertilizer Applicator Certification. Contact: Alan Sundermeier 419-354-9050 or sundermeier.5@osu.edu

February 17**Water Quality & Nutrient Management—Hardin**

7:30—9 am Speakers: Cheryl Rice, USDA; and Greg LaBarge, OSU Extension; Conservation Tillage Club Breakfast at Plaza Inn, 491 S. Main Street, Mt Victory, OH 43340. Contact: Mark Badertscher 419-674-2297 or badertscher.4@osu.edu

February 17**Soybean College - Fulton**

9 am—4 pm at Robert Fulton Ag Center
8770 SR 108, Wauseon, OH 43567

(Similar to the program being offered on Jan. 20 in Paulding County.) Contact: Eric Richer 419-337-9210 or richer.5@osu.edu

February 19**Soybean Production—Hancock**

6:30—8:30 pm at OSU Extension Hancock Co.
7868 CR 140 Suite B, Findlay, OH 45840

On-site presentation by Dr. Ed Lentz—OSU Extension Crop Specialist—What Inputs are the Most Critical for Profitable Soybean Production; Webinar presentations by Dr. Laura Lindsey, OSU Extension State Specialist Soybean & Small Grains Production—Agronomic Practices to Maximize Soybean Yield; and Dr. Andy Michel, OSU Extension State Field Crops Entomologist—Late Season Soybean Pest Issues; CCA credits applied for.

February 26**Corn Production—Hancock**

6:30-8:30 pm at OSU Extension Hancock Co.
7868 CR 140 Suite B, Findlay, OH 45840

On-site presentation by Dr. Ed Lentz, OSU Extension Crop Specialist—Getting the Most Out of Your Fertilizer Dollar. Webinar presentations by Dr. Peter Thomison, OSU Extension State Corn Specialist—Corn Interaction with Today's Production Management Systems; and Dr. Pierce Paul, OSU State Cereal Plant Pathologist—Latest on Ear Molds and Mycotoxins; CCA credits

March 3 & 4**Conservation Tillage & Technology Conference—Hardin**

8 am—5 pm at McIntosh Center, Ohio Northern University,
525 S Main St., Ada, OH 45810

The conference is intended for farmers, crop advisers & Ag industry personnel, and has established itself as a reliable source of continuing education units (CEU's) and current research reporting. Concurrent sessions feature 60 University researchers, faculty, & farmers speaking. CEU's are available. Schedule should be available in January 2015. Link: <http://ctc.osu.edu> or "like" them on Facebook

March 17**Ohio Sensitive Crops Registry Training—Paulding**

Time to be announced, at Youth Leadership Center, 503 Fairground Drive, Paulding, OH 45879; \$5 pre-register by 3/12, after that \$15. For beekeepers, aqua-culturists, nursery & sensitive crop growers, and pesticide applicators. This is a "crash course" on how to navigate and register with the Ohio Sensitive Crops database via the Ohio Department of Agriculture. Wi-Fi enabled laptop is required.

Contact: Sarah Noggle 419-399-8225 or noggle.17@osu.edu

March 24**Hands-on Intensive Soil Health & Cover Crops Management Workshop—Paulding**

8 am—4 pm at OSU Extension Paulding County, 503 Fairground Drive, Paulding, OH 45879; \$35 pre-register by 3/10, after that \$60 (lunch is included); CCA, CEU, FCT, & PAT credits applied for. Topics will include: Nutrient Recycling with Ecological (ECO) Farming, Biology of Soil Compaction, Soil Demonstrations, Economics of Cover Crops, Adapting Ag to Extreme Weather with Cover Crops and No-till, Using Cover Crops and No-till to keep N & P out of surface water, Homegrown Nitrogen: Legume Cover Crops, Sustainable Crop Rotations Using Cover Crops: Grasses and Brassicas; Cover Crops Selector Tool; Instructors: James Hoorman & Sarah Noggle
Contact: Sarah Noggle 419-399-8225 or noggle.17@osu.edu