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

Ohio State University Extension
8770 St. Rt. 108, Suite A
Wauseon, OH 43567
Return service requested

Northwest Ohio Ag & Natural Resources Newsletter—Jan.2015
Ohio Pesticide Applicator Site—http://pested.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 am
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
Livestock Production continued . . .

- **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, cleveenger.10@osu.edu

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**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  
9 am—12 pm pesticide recertification  
Categories 1,2,3,4,5,6,7  
(Lunch on your own)  
Contact: Ed Lentz  
419-422-3851  
lentz.38@osu.edu  
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  
9:30 am—3:30 pm  
Categories: 1 hr. Core, .5 hr. of 6  
Other credits available, contact Eric  
Contact: Mike Gastier  
419-668-8219  
gastier.3@osu.edu  
1-4 pm 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  
9 am—12 pm pesticide recertification  
Categories 1,2,3,4,5,6,7  
(Lunch included in registration)  
Contact: Mike Gastier  
419-668-8219  
gastier.3@osu.edu  
1-4 pm Fertilizer Certification (3-hr training)

Feb. 2  
OSU Extension Van Wert Co.  
1055 S. Washington St.  
Van Wert, OH 45891  
9 am—12 pm pesticide recertification  
Categories 1,2,3,4,5,6,7  
(Lunch on your own)  
Contact: Curtis Young  
419-238-1214  
young.2@osu.edu  
1—3 pm Fertilizer Certification (must have a pesticide license)

Feb. 3  
Knights of Columbus Hall  
718 Napoleon Road  
Kalida, OH 45853  
10 am—1 pm pesticide recertification  
Categories 1,2,3,4,5,6,7  
8-10 am Fertilizer Certification (must have a pesticide license)  
Contact: James Hoorman  
419-523-6294  
hoorman.1@osu.edu  
6—9 pm  
Categories Core, 1,2,3,4,5,6,7  
(Fertilizer Cert. on 2/10)  
Contact: Tim Malinich  
419-627-7631  
malinich.1@osu.edu

Livestock Production continued . . .

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

Northwest Ohio Ag & Natural Resources Newsletter—Jan.2015
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
### Pesticide Training in Northwest Ohio

<table>
<thead>
<tr>
<th>Date</th>
<th>Location Details</th>
<th>Contact Information</th>
</tr>
</thead>
</table>
| Feb. 24  | OSU Extension Paulding Co.  
503 Fairground Drive  
Paulding, OH 45879  
Register by Feb. 12  
Categories:  
Core, 1,2,3,4,5,6,7  
For $35  
(Lunch on your own) | Contact: Sarah Noggle  
419-399-8225  
noggle.17@osu.edu |
| Feb. 26  | Longview Center  
1495 W. Longview Ave.  
Mansfield, OH 44906  
9 am—12 pm pesticide recertification  
Categories:  
Core, 1,2,3,4,5,6,7  |
| Feb. 26  | Contact: Mike Gastier  
419-668-8219  
gastier.3@osu.edu |
| Mar. 10  | Delphos Eagles Club  
1600 E. 5th St.  
Delphos, OH 45833  
6—9 pm pesticide recertification  
Categories:  
Core, 1,2,3,4,5,6,7  |
| Mar. 10  | Contact: Curtis Young  
419-238-1214  
young.2@osu.edu |
| Mar. 10  | Wood Co. Fairgrounds Jr Fair Bldg.  
13800 West Poe Road  
Bowling Green, OH 43402  
6—9 pm pesticide recertification  
Categories:  
Core, 1,2,3,4,5,6,7  |
| Mar. 10  | Contact: Alan Sundermeier  
419-354-9050  
sundermeier.5@osu.edu |
| Mar. 12  | The Ripley Church  
4130 Edwards Road  
Greenwich, OH 44837  
9 am—12 pm pesticide recertification  
Categories:  
Core, 1,2,3,4,5,6,7  |
| Mar. 12  | Contact: Mike Gastier  
419-668-8219  
gastier.3@osu.edu |
| Mar. 12  | Hancock Co. Ag Service Center  
7868 CR 140  
Findlay, OH 45840  
6—9 pm pesticide recertification  
Categories:  
Core, 1,2,3,4,5,6,7  |
| Mar. 17  | Knights of Columbus Hall  
718 Napoleon Road  
Kalida, OH 45853  
6—9 pm pesticide recertification  
Categories:  
Core, 1,2,3,4,5,6,7  |
| Mar. 17  | Contact: James Hoorman  
419-523-6294  
hoorman.1@osu.edu |

### Livestock Production continued . . .

#### 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
Natural Resources continued . . .
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

Pesticide Training in Northwest Ohio

Mar. 19
Plaza Inn
491 S. Main Street
Mt Victory, OH 43340
9 am—12 pm pesticide recertification
Categories Core, 1, 2, 6
1—3 pm Fertilizer
Call by 3/20 for other categories
Contact: Mark Badertscher
419-674-2297
badertscher.4@osu.edu

Mar. 19
OSU Extension Paulding County
503 Fairground Drive
Paulding, OH 45879
6-9 pm pesticide recertification
Categories Core, 1,2,3,4,5,6,7
3-5 pm Fertilizer
Contact: Sarah Noggle
419-399-8225
noggle.17@osu.edu

Mar. 23
Williams County East Annex
1425 E. High St.
Bryan, OH 43506
6—9 pm pesticide recertification
Categories Core, 1,2,3,4,5,6,7
Contact: Florian Chirra
419-636-5608
chirra.1@osu.edu

Mar. 31
Crawford County Fairgrounds
610 Whetstone St.
Bucyrus, OH 44820
3-6:30 pm pesticide recertification
Categories Core, 1,2,3,4,5,6,7
7:30-9:30 pm Fertilizer
(Dinner included in registration)
Contact: Jason Hartschuh
419-562-9731
hartschuh.11@osu.edu

NEW Private Pesticide Applicator Training Session
This is a “crash course” of how and what to study in preparation for CORE and
Category 1 (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
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
Contact: Sarah Noggle
419-399-8225
noggle.17@osu.edu

Apr. 7
OSU Extension Putnam County
1206 E. Second St.
Ottawa, OH 44875
10 am—12 pm (Testing opportunity at 1 pm—register with ODA)
Contact: James Hoorman
419-523-6294
hoorman.1@osu.edu
**TESTING for Private Pesticide Applicator License**

Pre-register with the Ohio Department of Agriculture  
**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!

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<thead>
<tr>
<th>Date</th>
<th>Location</th>
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<tbody>
<tr>
<td>Jan. 8</td>
<td>Robert Fulton Ag Center</td>
<td>10 am</td>
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<td>8770 SR 108, Wauseon OH 43567</td>
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<td>Jan. 13</td>
<td>Owens Community College</td>
<td>1 pm</td>
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<td>Jan. 21</td>
<td>OSU Lima Campus</td>
<td>10 am</td>
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<td>Public Serv. Bldg.,#212, 4240 Campus Dr., Lima</td>
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<td>Jan. 22</td>
<td>Nia Conference Center</td>
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<tr>
<td></td>
<td>7000 Kalahari Dr., Sandusky OH 44870</td>
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<td>Jan. 28</td>
<td>OSU Extension, Defiance County</td>
<td>10 am</td>
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<td></td>
<td>06879 Evansport Road Suite B, Defiance OH 43512</td>
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<td>Feb. 10</td>
<td>Owens Community College</td>
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<td>30335 Oregon Rd., Perrysburg OH 43551</td>
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<td>Feb. 12</td>
<td>Robert Fulton Ag Center</td>
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<td>Feb. 18</td>
<td>OSU Lima Campus</td>
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<td>Feb. 25</td>
<td>OSU Extension, Defiance County</td>
<td>10 am</td>
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<td>Mar. 10</td>
<td>Fulton Co. Fairgrounds—Fire Hall</td>
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<td>8514 SR 108, Wauseon OH 43567</td>
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<td>Mar. 11</td>
<td>OSU Lima Campus</td>
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<td>Mar. 12</td>
<td>Robert Fulton Ag Center</td>
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<td>Mar. 24</td>
<td>OSU Extension, Wood County</td>
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<td>639 S Dunbridge Rd. Ste 1, Bowling Green OH43402</td>
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<td>Mar. 25</td>
<td>OSU Extension, Defiance County</td>
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<td>Apr. 7</td>
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<td>Apr. 9</td>
<td>Robert Fulton Ag Center</td>
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<td>Apr. 15</td>
<td>OSU Lima Campus</td>
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<td>Apr. 15</td>
<td>OSU Extension, Wood County</td>
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<td>Apr. 22</td>
<td>OSU Extension, Defiance County</td>
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**Horticulture continued . . .**

Website: producesafety.osu.edu  
Contacts: Lindsey Hoover 330-202-3555x2918  
oovner.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

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**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
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

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 9:30 am—3:30 pm Founder’s Hall at Sauder Village 22611 SR 2 Archbold, OH 43501 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 Contact: Eric Richer 419-337-9210, richer.5@osu.edu

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

Feb. 5 Northern Ohio Crops Day ‘Ole Zim’s’ Wagon Shed 1375 N. SR 590 Gibsonburg, OH 43431 1-4:30 Fertilizer Certification Course Contact: Allen Gahler 419-334-6340, gahler.2@osu.edu

Feb. 9 Young Farmers Program Wauseon, OH 43567 Contact: Eric Richer 419-337-9210, richer.5@osu.edu 6—9 pm: 3-hr Fertilizer Certification Course, $10 at the door

Feb. 10 Elhove Career Center 316 West Mason Road Milan, OH 44846 6—9 pm: 3-hr Fertilizer Certification Course Contact: Tim Malinich 419-627-7631, malinich.1@osu.edu

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 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.1@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 . . .

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
Farm Business Management continued . . .

- 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
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.l@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.l@osu.edu
Agronomy Events continued . . .

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

Farm Business Management continued . . .

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

Agronomy Events continued . . .

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
Agronomy Events continued . . .

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 applied for.

Agronomy Events continued . . .

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