

### COSHOCTON COUNTY AGRICULTURE & NATURAL RESOURCES



#### "Macro Photography in the Outdoors"

Monday, February 18  
6:00 to 8:00 p.m.

**Natural Resources Education Series**

**Location:**  
Coshocton County Services Building  
Room 145  
724 South 7<sup>th</sup> Street  
Coshocton, OH 43812

**Registration:**  
The registration fee is \$5 per person and is limited to the first 42 registrants. Please register by February 11, 2019.

**Program Details:**  
Many photographers today want to know how to take Macro Pictures thanks to a growing number of people taking photos of small plants, animals, and insects. Join OSU Extension's Dr. Mike Dwyer, Wildlife Specialist, Wildlife Photographer and OSU Extension Technology Specialist who will teach the basics of macro photography which is the close-up photography of very small subjects in which a lot of the interest in the photograph is greater than the size. I can photograph techniques, how to choose the right equipment, and much more.

**PRE-REGISTRATION IS REQUESTED. 35 per person. Register by February 11, 2019. (Note: Photo copies to Ohio State University Extension, 145 South 7<sup>th</sup> Street, Room 145, Coshocton, Ohio 43812. Please check and return to the mail person.)**

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_  
Phone: \_\_\_\_\_ Email: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

**THE OHIO STATE UNIVERSITY**  
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Hello, Coshocton County!

We had a great pesticide and fertilizer re-certification session on January 15 and the Master Gardeners had a really nice perennial workshop on the 16th. We have a lot of great workshops slated over the next few weeks; these include our agronomy school, a farm tax update, beef cattle webinar, timber marketing workshop and a very cool macro photography workshop.

We are in also search for a new OSU Program Assistant for Coshocton County. This person will work in both in 4-H and agriculture programming efforts. Details about the application process can be found in this newsletter.

We have also scheduled a testing dates with the Ohio Department of Agriculture for March 13 in Coshocton County. The ODA will be giving the private and commercial pesticide exams. With the new Dicamba requirements, they may be folks in your operation which will need to receive their certification.

Stay safe this winter with all our ice! I hope to see you at onr (or more) of events this winter.

*Sincerely,*

*David Marrison*

Coshocton County OSU Extension ANR Educator

January 23, 2019 Issue  
Coshocton County Hiring  
Program Assistant  
2019 Agronomy School  
ODA Reminds Farmers of  
Dicamba Use  
ODA Testing – March 13  
Farm Tax Update in Coshocton  
Next Farmers Breakfast on  
February 12  
2019 Ohio Beef Cattle Webinar  
Macro Photography Workshop  
Timber Marketing Workshop  
Be a Student in 2019

Coshocton County Extension  
724 South 7<sup>th</sup> Street, Room 110  
Coshocton, Ohio 43812  
Phone: 740-622-2265  
Fax: 740-622-2197  
Email: [marrison.2@osu.edu](mailto:marrison.2@osu.edu)  
Web: <http://coshocton.osu.edu>



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CFAES provides research and related educational programs to clientele on a nondiscriminatory basis. For more information visit:  
[go.osu.edu/cfaesdiversity](http://go.osu.edu/cfaesdiversity).

## ***Coshocton County Hiring Program Assistant***

OSU Extension in Coshocton County is hiring a Program Assistant to assist with all aspects of 4-H and Agriculture & Natural Resources (ANR) programming in Coshocton County. Guidance will be provided by both educators. Program Assistant responsibilities will be to work specifically with the school enrichment program using STEM curriculum. They will support the program by developing teaching and marketing materials, and assist in facilitating/teaching at county wide 4-H events. ANR responsibilities will include designing/coordinating the youth based ag enrichment programs and work with the educator to plan and conduct the plant and pest diagnostic clinic at the office. As a member of the county team the employee will assist with office management, grants, and reports.

For a complete position description, minimum qualifications, and application instructions, please go to [www.jobsatosu.com](http://www.jobsatosu.com) and click Search Postings. Under Job Opening Number, type **445793**, click Search. The Ohio State University is an equal opportunity employer. This position opens January 19 and closes on February 3. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation or identity, national origin, disability status, or protected veteran status.

## ***2019 Agronomy School Scheduled for January 29***

The OSU Extension offices in Coshocton & Muskingum Counties are pleased to be offering the “**2019 Agronomy School**” on Tuesday, January 29, 2019 from 9:00 a.m. until 3:00 p.m. This school will be held at the Dresden United Methodist Church located at 1014 Main Street in Dresden.

This school will focus on topics to help improve your management of troublesome weeds, increase corn profitability, and improve fertilizer management. Participants will also learn more about the farm bill, commodity prices, and farm tax changes. Thank you to the Ohio Soybean Council for co-sponsoring this event.



Program topics for this school include: Controlling Troublesome Weeds in Soybeans; Corn Production Practices; Commodity Price Outlook; Farm Bill Update; Best Practices for Utilizing Manure; Best Management of Fertilizer; and Tax Changes to Farm Machinery Depreciation. Speakers for the event include Ben Brown, OSU Program Manager for Farm Management- AEDE; Rory Lewandowski, OSU Extension Educator; Greg LaBarge, OSU Agronomic Crops Field Specialist; Clifton Martin, OSU Extension Educator, David Marrison, OSU Extension Educator and Dr. Jeff Stachler, OSU Extension Educator.

Pre-registration is required and the fee is \$30 per person. **The registration deadline is Friday morning January 25.** This fee includes light breakfast, hot lunch, handouts, and a copy of Bulletin #789 - Weed Control Guide. Pesticide (1 hour), Fertilizer (1 hour) and Certified Crop Advisor (CCA) credits have been applied for. Make checks payable to Ohio State University Muskingum County. Mail to 225 Underwood Street, Zanesville, OH 43701. More information can be obtained by contacting the Muskingum County Extension office at 740-454-0144.

## ***ODA Reminds Farms of Requirements for DICAMBA Use***

By: Brett Gates, (614) 752-9817, [bgates@agri.ohio.gov](mailto:bgates@agri.ohio.gov)

The Ohio Department of Agriculture (ODA) is reminding farmers of revised labels and new training requirements for applicators who intend to use dicamba herbicide products this year. In October 2018, U.S. EPA approved revised labels for the three dicamba products that are labeled for use on soybeans: Engenia (BASF), XtendiMax (Monsanto) and FeXapan (DuPont).

"Like any other product, we want to ensure licensed applicators are properly following label directions as they get ready for this growing season," said Matt Beal, chief of the ODA Division of Plant Health. "This not only helps ensure the safe use of pesticides, it also helps prevent misuse and mishandling."

The manufacturers of these dicamba products also agreed to additional requirements for their products. Some of the requirements include:

- 2019 labels supersede all prior labels for these products. Applicators must obtain a copy of the new label and must have that label in their possession at the time of use
- Only certified applicators may purchase and apply the products
  - Those operating under the supervision of a certified applicator may no longer purchase or apply.
  - Anyone who mixes, loads or cleans dicamba application equipment must become licensed.
  - ODA will host additional "Dicamba Ag Only" exams in February and March for those looking to become a certified applicator. Visit [agri.ohio.gov](http://agri.ohio.gov) for more details.
- Applicators must complete dicamba-specific training
- Increased recordkeeping requirements
- Wind speed restrictions
- Temperature inversion restrictions
- Sensitive/susceptible crop consultation
- Spray system equipment clean-out

More details on these revisions can be found on the attached fact sheet. Applicators looking for a list of ODA-approved trainings can visit [www.agri.ohio.gov](http://www.agri.ohio.gov). For questions, applicators can contact the ODA Pesticide and Fertilizer Regulation Section at 614-728-6987 or [pesticides@agri.ohio.gov](mailto:pesticides@agri.ohio.gov).

### ***ODA Testing Date in Coshocton County Slated for March 13***

The Ohio Department of Agriculture (ODA) will be administering Private and Commercial Pesticide license examinations on Wednesday, March 13, 2019 at the Coshocton County Services Building (Room B100) located at 724 South 7<sup>th</sup> Street in Coshocton, Ohio. The testing will begin at 12:00 noon. Pre-registrations are required and can be made on-line at the ODA website at:

<https://agri.ohio.gov/wps/portal/gov/oda/divisions/plant-health/pesticides/exam-registration> Producers can also call the ODA at 614-728-6987. Study materials can be obtained at: <https://pested.osu.edu/>

### ***Farm Tax Update to Be Held on February 11 in Coshocton***

OSU Extension in Coshocton County is pleased to be offering a Farm Tax Update on Monday, February 11, 2019 from 6:37 to 8:00 p.m. at the Coshocton County Services Building - Room 145 located at 724 South 7<sup>th</sup> Street in Coshocton, Ohio. OSU Extension Educator David Marrison will share details on the "Tax Cuts & Jobs Act of 2017" and its impact on farm taxes. Learn more about the changes to farm machinery depreciation, like-kind exchanges, and more about the new Section 199A deduction for Qualified Business Income. This program is free & open to the public! However, courtesy reservations are requested so program materials can be prepared. Call 740-622-2265 to RSVP or for more information.

### ***Next Farmers Breakfast Slated for February 12***

The Coshocton Soil & Water Conservation District, the Coshocton County USDA- Farm Service Agency, and OSU Extension are pleased to be hosting the Coshocton County Farmer's Breakfast once again this winter. The next breakfast will be held on Tuesday, February 12 breakfast and will feature the Coshocton County's Ag Teachers speaking on "Today's Ag and FFA Programs." The breakfast is held at Edie Ryan's Restaurant (585 S. Whitewoman Street in Coshocton) beginning at 7:30 a.m. There is no charge for the meeting and no reservations are required. Attendees are, however, responsible for the cost of their breakfast. More information about these events can be obtained by calling the Coshocton SWCD at 622-8087, ext. 4.





## 2019 Ohio Beef Cattle Webinar Slated for February 5

OSU Extension in Coshocton County is pleased to be a viewing site for the 2019 Ohio Beef Cattle School which will be held on Tuesday, February 5, 2019 starting at 7:00 p.m. This webinar will be available for viewing at the Coshocton County Extension office. The webinar's theme is: Winter Management of the Cow Herd to Insure a Productive 2019. Some of the topics will be addressed in this webinar include:

Speakers will include OSU Animal Science Dept. Specialists and members of the OSU Extension Beef Team. There is no fee to attend this webinar but reservations are being requested as space is limited in the office meeting room. First come, first served. Call the Coshocton County Extension office at 740-622-2265 for more information. See the attached flyer for more details about this workshop.

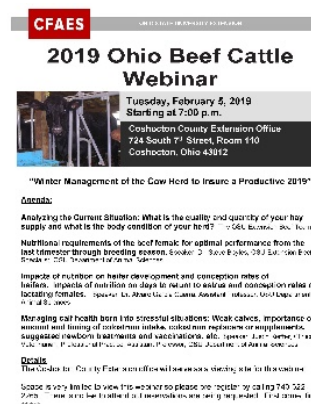
## Managing Limited Hay Supplies

By: Dr. Jeff Lehmkuhler, Associate Extension Professor, University of Kentucky

Source: <http://u.osu.edu/beef/2019/01/16/managing-limited-hay-supplies/>

Steps:

1. Determine hay needs – Hay needed to overwinter a cow can be estimated relatively easily. If you know the mature weights of your cows, multiply the average weight by 3% and then by the expected number of days you will feed hay. For example, if cows at a body condition score 5 weigh 1,300 lbs, the daily hay needed would be  $1,300 \text{ lb} \times 3\%/100 = 39 \text{ lbs}$ . Assume you began feeding hay November 15 and expect to feed until April 15, the hay needed equals daily intake in lbs X Number of months X 30 =  $39 \text{ lbs} \times 5 \text{ months} \times 30 = 5,850 \text{ lbs}$ . If bales provide 800 lbs of good forage (exclude rot/spoiled hay), the number of bales needed would be  $5,850 \text{ lb} / 800 \text{ lb/bale} = 7.3 \text{ bales/cow}$  for the feeding period. Always add 10-20% more due to feeding losses, spoilage and longer feeding periods. Inventory hay stores in the early winter as hay will be cheaper at the start of the winter as opposed to later when hay stocks are lower.
2. Match hay quality to animal needs – Use limited forage wisely by matching quality to stage of production. Growing and lactating animals have the highest nutritional needs. As you consider the annual production of a beef cow, nutritionally we tend to break them out to late gestation, early lactation, late lactation, and the dry, mid-gestation period. During late gestation, particularly the last 60-75 days before calving, the fetus is growing rapidly increasing nutrient needs of the cow. Additionally, mammary tissue development and colostrum formation require additional nutrients. As cows calve and freshen, nutritional requirements increase with milk production. Peak milk production occurs around eight weeks post-calving and corresponds with the highest nutritional needs during the production year. Nutritional needs may decrease after peak as milk production decreases. However, some research has shown that cows may sustain high levels of milk production out to 120 days post-calving. Thus, it is important to monitor cow body condition through lactation and make feeding adjustments as needed. This is important for fall calving beef cows as they may require additional supplementation to support higher levels of milk production. Feed the highest quality forage during lactation to minimize body condition loss and supplementation needs. As cows are weaned and milk production ceases, nutritional needs are greatly reduced. Dry, non-lactating cows that have weaned 6-8 month old calves should be in the second trimester of gestation. The nutritional needs to support fetal development at this point is low and corresponds to the lowest nutritional requirements for the production year. Utilize lower quality forages at this point to conserve higher quality forages for other phases of production. See the table below for guidelines on forage quality needed at different stages of production for mature beef cows. These assume cows are in good body condition and no environmental stress (i.e. mud, wet haircoats, etc...).



<b>Stage of Production</b>	<b>% TDN</b>	<b>% CP</b>
<b>Dry, mid-gestation</b>	45-50%	7-8%
<b>Late gestation</b>	50-55%	8-9%
<b>Early lactation</b>	60-65%	10-12%

3. **Less Time** – Limited hay stores can be stretched if you have the ability to limit the amount of time cows have access to the hay. This can only be done for mature cows that are in the dry, mid-gestational stage of production and are 5-6 body condition scores. Young and thin cows need additional feed to grow and replenish body stores and should not be limit fed. Purdue research demonstrated that limiting access to 8-12 hours did not have detrimental impacts on body weight or condition of mature cows. In this work, restricting access to hay to 8 hours reduced hay disappearance by approximately 15%. Restricting access time to hay, however, resulted in a linear decrease in body weight gain in young, second calf cows. Researchers at the University of Illinois reported findings from a similar study. Simmental cows in the last trimester were limit fed for approximately 90 days. Access time to hay in this study was ad libitum (free-choice), 9, 6 or 3 hours. Hay disappearance decreased from 34 lbs of dry matter for free-choice cows to approximately 18 lbs for cows having only 3 hours of hay access. Cow body weight gains decreased linearly as the time restriction increased. Body condition score changes followed similar trends to weight changes. In the second trial conducted hay access was restricted to only 6 or 9 hours. Again, hay disappearance decreased as access time was limited. Body weight and body condition score changes were not impacted by restricting hay access in this trial. These studies utilized above average quality grass/legume hay. The level or degree of restriction will be dependent on the quality of the forage. Low quality forage should not be restricted. Cows will need to consume as much low quality forage as they can due to the low digestibility and low nutrient concentrations. If this management is used, the herd will need to be separated by age and production as lactating cows, late gestational and young or thin cows should not be restricted.
4. **Reduce feeding losses** – Managing hay feeding can also aid in stretching limited hay stocks. Research demonstrated increased losses when unrolling hay on the ground. Hay is trampled into the mud from being walked and laid upon. Defecation and urination on hay will prevent intake as well. Research from North Dakota has also demonstrated that feeding with a hay processor on the ground leads to increased hay losses compared to feeding in a hay ring. Leaf shatter and small forage particle loss leads to lowered utilization. If using a processor and one wants to minimize losses, place processed hay in a feeder or bunk rather than on the ground. Hay rings should have sheeting around the bottom to minimize hay losses. Improved designs that keep bales elevated on the ground while allowing dropped hay to fall within the hay feeder also lower feeding losses. These feeders are more expensive up front but if hay is expensive, they can lower feeding costs. It is important these hay feeders are managed. If hay builds up inside the feeder and the cattle don't consume the hay due to rot or mold, move the hay ring. If the hay is not of low quality, allow animals to consume the hay that is lying on the ground within the ring before placing a new bale in the feeder. Allowing the hay to build up to the top of the ring/sheeting/tire in these newer designs will increase losses when a new bale is offered as hay will fall out over the edge of the ring or tire. Further, placing hay rings on a feeding pad can lower losses from hay that falls outside the ring on the ground. This hay may be consumed off the ground on a feeding pad while it would otherwise be trampled into the mud around the feeder.
5. **Hay replacement** – Replacing hay with other feedstuffs to supply the nutrients needed is feasible. A word of caution, when restricting hay the rumen will not be full. Stretch receptors on the rumen will lead to cows seeking to eat something even though nutritionally they won't need to eat. This can lead to tree and fence damage or even cows getting out looking for something to eat. Giving access to low quality forage ad lib can curb this by giving cows something to eat and fill the rumen. Corn stover, wheat straw

and other low quality forages can be used. The typical fescue hay will contain 50-54% TDN and 7-9% protein on a dry matter basis. If one were to offer 1 lb of dried distillers grains, the protein supplied would be the equivalent of 3-4 lbs of hay while the energy from the distiller grains would replace 1.75 lb of hay. For dry, gestating cows soybean hulls can be used to replace average grass hay at a rate of 1.5 lbs of soyhulls per pound of hay. Cows should always be offered at least 8-10 lbs of long stemmed forage to maintain rumen health and lower the incidence of bloat. Other feedstuffs can be used to develop a low hay diet for beef cows. Be sure to work with a nutritionist to ensure the nutrient needs of the cows are met and to lower the risk of digestive disorders.

Other nutrients should not be overlooked. The rumen is approximately 80% moisture and a beef cow may need 10-20 gallons of water a day. If water availability is restricted, intakes will be depressed and milk or performance will be reduced. A high quality loose mineral should be provided at all times to ensure mineral and vitamins requirements are met. If supplement is offered, consider including an ionophore such as monensin or lasalocid to improve energy efficiency. Research has demonstrated the cows will maintain similar body condition when fed 200 mg/hd/d of monensin on 5-10% less feed.

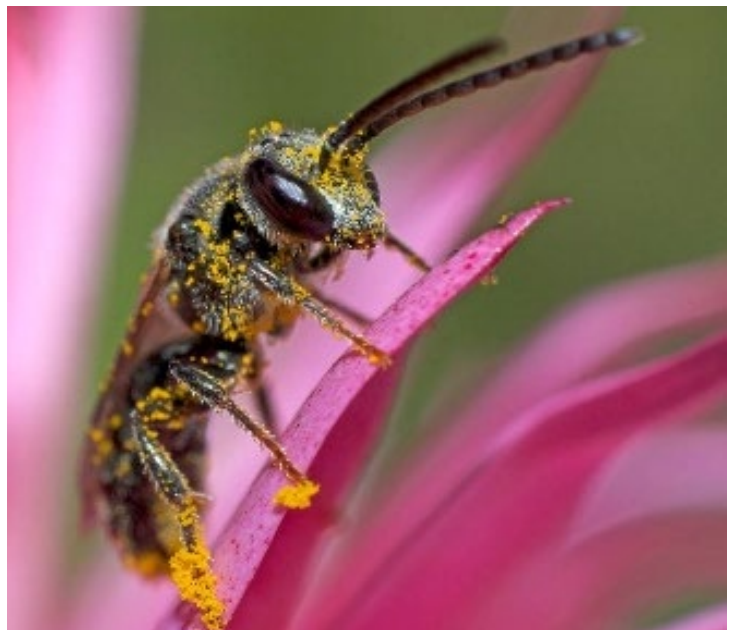
Sound management will allow you to conserve hay without sacrificing animal productivity. Remember that the animals' nutritional needs should always come first. Work with your local county extension office or nutritionist to ensure the nutritional needs will be met.

### ***Macro Photography in the Outdoors Workshop to be held on February 18***

OSU Extension in Coshocton County is pleased to be offering a "Macro-Photography in the Outdoors" Workshop on Monday, February 18, 2019 from 6:00 to 8:00 p.m. at the Coshocton County Services Building - Room 145 located at 724 South 7<sup>th</sup> Street in Coshocton, Ohio.

Many photographers today want to know how to take **Macro Pictures** thanks to a growing number of beautiful images online of small plants, animals, and insects. Join OSU Extension as we host **Danae Wolfe** (Award Winning Photographer and OSU Educational Technology Specialist) who will teach the basics of macro photography.

Macro photography is the close-up photography of very small subjects in which size of the subject in the photograph is greater than life size. During this workshop, attendees will learn macro photography techniques, choosing the right equipment, and other tips for taking outdoor photographs.



The registration fee is \$5 per person and is limited to the first 42 registrants. Please register by February 11, 2019. Make checks payable to Ohio State University Extension. Call the Coshocton County Extension at 740-622-2265 for more information. A registration flyer can also be found at: [go.osu.edu/coshoctonevents](http://go.osu.edu/coshoctonevents)

## ***Timber Marketing Workshop to be held on March 18, 2019 in Coshocton County***

OSU Extension in Coshocton County is pleased to be offering a “**Timber Marketing**” Workshop on Monday, March 11, 2019 from 6:30 to 8:30 p.m. This program will be held at the Frontier Power Community Room located at 770 South 2<sup>nd</sup> Street in Coshocton, OH 43812.

Selling timber isn't something that woodland owners should take lightly. This program is designed to help you make decisions that will have a positive influence on you and your woodland. Speakers for this event include: Dave Apsley, OSU Extension Natural Resources Specialist; Adam Komar, ODNR Service Forester; and Bob Mulligan, Forest Hydrology Manager from the Ohio Division of Forestry.



Topics which will be addressed at this workshop include: Matching the harvest to your goals; Marketing your timber; Which trees & when to cut; Best Management Practices; Timber Stand Improvement; Ohio Master Logger program and Timber Prices & Trends.

Registration is \$10 per person and pre-reservations are requested by March 4, 2019. Room space is limited, so first come first serve. Maximum registration of 50 persons. Make checks payable to Ohio State University Extension. Mail to Coshocton Extension office, 724 South 7th Street, Coshocton, Ohio 43812.

This program has been approved for 2.0 hours of Ohio Forest Tax Law Education Credits. Call the Coshocton County Extension office at 740-622-2265 for more information about this program. A registration flyer can also be found at: [go.osu.edu/coshoctonevents](http://go.osu.edu/coshoctonevents)

## ***Be a Student in 2019***

By: David L Marrison Originally Published in The Beacon Newspaper (January 23, 2019)

Hello Coshocton County! So now that January is over half way over, how are you doing on those New Year's resolutions? If you are like many Americans, your intention of finally following through with your resolutions has already been shredded by the busyness of our daily lives.

A few years ago I followed the advice of a friend, who now happens to be my wife, to concentrate on ONE word each year instead of making a long laundry list of resolutions. Simple enough, right? Just one word! So if you had to choose one word on which to focus on for 2019, what would it be? Two of the words which I chose over the past few years included organize and transition. I am still working on being better organized and this past year really brought the word transition into play.

So what is my word for 2019? Lots of words come to mind but I finally settled on the word patience. Patience to allow life to unfold in its time. To be patient in learning a new community. To not be annoyed by the little discomforts of life. To remember to have the “patience of Job” in the daily walk of life.

So, what will your word be for 2019? I know many farmers, especially dairy farmers might quip that some words which fit last year were gloom, despair, and agony. But what word should we choose for 2019? Should it be analyze? Or perseverance? Or hope? There are many words we could choose from: I hope one consideration will be the word STUDENT.

Student? Yes, we at OSU Extension encourage you to be a student. Regardless of where you work or what you do, never stop being a student. We are excited that now is the “student” time for OSU Extension. We have a lot of great programs planned for this winter and hope you can be a student at one or more of them! So what is on tap? Here are details on three upcoming programs.



First, we will be hosting the **“2019 Agronomy School”** on Tuesday, January 29 from 9:00 a.m. until 3:00 p.m. This school will be held at the Dresden United Methodist Church located at 1014 Main Street in Dresden.

This school will focus on topics to help farmers improve their management of troublesome weeds, increase corn profitability, and improve fertilizer management. Participants will also learn more about the farm bill, commodity prices, and farm taxes.

Pre-registration for this program is required before the end of day, Friday January 25 and the fee is \$30 per person. This fee includes light breakfast, hot lunch, handouts, and a copy of Ohio State’s Weed Control Guide. To register, contact our counterparts at the Muskingum County Extension office at 740-454-0144.

Second, we will be a viewing site for the **“2019 Ohio Beef Cattle School”** which will be held on Tuesday, February 5 starting at 7:00 p.m. The topic for this webinar is “Winter Management of the Cow Herd to Insure a Productive 2019” and beef producers can view this webinar at the Coshocton County Extension office. There is no fee to attend but reservations are being requested as space is limited in the office meeting room. First come, first served. Call the Coshocton County Extension office at 740-622-2265 to register.

Third, we will be offering a **“Macro-Photography in the Outdoors”** workshop on Monday, February 18 from 6:00 to 8:00 p.m. at the Coshocton County Services Building - Room 145 located at 724 South 7<sup>th</sup> Street in Coshocton, Ohio.

Many photographers want to know how to take macro pictures thanks to a growing number of beautiful images online of small plants, animals, and insects. Join us as we host Danae Wolfe, Award Winning Photographer and OSU Educational Technology Specialist, who will teach the basics of macro photography. The registration fee is \$5 per person and is limited to the first 42 registrants. Please register by February 11. Call the Coshocton County Extension at 740-622-2265 for more information.

A reminder that you can find information about all of our upcoming programs at: [go.osu.edu/coshoctonevents](http://go.osu.edu/coshoctonevents)  
To close, I would like to share a quote from Og Mandino who stated, “Take the attitude of a student, never be too big to ask questions, never know too much to learn something new.” Coshocton County, have a good and safe day!

**Check out upcoming programs at: [go.osu.edu/coshoctonevents](http://go.osu.edu/coshoctonevents)**



# 2019 Agronomy School

**Tuesday, January 29, 2019  
9:00 to 3:00 p.m.**



Join OSU Extension in Muskingum & Coshocton Counties for the 2019 Agronomy School. This school will focus on topics to help improve your management of troublesome weeds, increase corn profitability, and improve fertilizer management. Also learn more about the farm bill, commodity prices, and farm tax changes. Thank you to the Ohio Soybean Council for co-sponsoring this event.

## Location:

Dresden United Methodist Church  
1014 Main Street  
Dresden, Ohio 43821  
\$30 per person- RSVP by Jan 23

## Featured Speakers:

- Ben Brown, Program Manager for Farm Management- AEDE
- Rory Lewandowski, OSU Extension Educator
- Greg LaBarge, OSU Agronomic Crops Field Specialist
- Clifton Martin, OSU Extension Educator
- David Marrison, OSU Extension Educator
- Dr. Jeff Stachler, OSU Extension Educator

## Program Topics:

- Controlling Troublesome Weeds in Soybeans
- Corn Production Practices
- Commodity Price Outlook
- Farm Bill Update
- Best Practices for Utilizing Manure
- Best Management of Fertilizer
- Tax Changes to Farm Machinery Depreciation



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## See Back for Registration Details!

# 2019 Agronomy School

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Make checks payable to Ohio State University Muskingum County. Mail to 225 Underwood Street, Zanesville, OH 43701. Please return this form with payment. Thank you!

Name(s): \_\_\_\_\_

Address: \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_

Email \_\_\_\_\_

Amount Enclosed: \_\_\_\_\_

## More Information:

Muskingum County

Clifton Martin

740-454-0144

[martin.2422@osu.edu](mailto:martin.2422@osu.edu)

Coshocton County

David Marrison

740-622-2265

[marrison.2@osu.edu](mailto:marrison.2@osu.edu)



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Many photographers today want to know how to take **Macro Pictures** thanks to a growing number of beautiful images online of small plants, animals, and insects. Join OSU Extension as we host **Danae Wolfe** (Award Winning Photographer and OSU Educational Technology Specialist) who will teach the basics of macro photography which is the close-up photography of very small subjects in which size of the subject in the photograph is greater than life size. Learn photography techniques, how to choose the right equipment, and much more.

**PRE-REGISTRATION IS REQUESTED.** \$5 per person. Registration deadline is required by February 11, 2019. Make checks payable to Ohio State University Extension. Mail to Coshocton Extension office, 724 South 7<sup>th</sup> Street, Room 110, Coshocton, Ohio 43812. Please detach and return this form with payment.

Name(s): \_\_\_\_\_ Address: \_\_\_\_\_  
Phone: \_\_\_\_\_ E-mail: \_\_\_\_\_

Registration fee enclosed \_\_\_\_\_ \$5 per registrant



**THE OHIO STATE UNIVERSITY**

COLLEGE OF FOOD, AGRICULTURAL,  
AND ENVIRONMENTAL SCIENCES

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# Thinking of Selling Timber?



**Monday, March 11, 2019  
6:30 to 8:30 P.M.**

**Frontier Power Community Room  
770 South 2<sup>nd</sup> Street  
Coshocton, Ohio 43812**

## **Program:**

Selling timber isn't something that woodland owners should take lightly. This program is designed to help you make decisions that will have a positive influence on you and your woodland.

Session topics will include:

- Matching the harvest to your goals
- Marketing your timber
- Reasons to cut trees
- Which trees & when to cut
- Best Management Practices
- Timber Stand Improvement
- Ohio Master Logger program
- Timber Prices & Trends

## **Hosted by:**

OSU Extension Coshocton County

## **Speakers:**

**Dave Apsley**, Natural Resources Specialist,  
OSU Extension

**Adam Komar**, Service Forester, ODNR Division  
of Forestry

**Bob Mulligan**, Forest Hydrology Manager, Ohio  
Division of Forestry

## **Registration Details:**

Registration is \$10 per person and pre-reservations are requested by March 4, 2019. Room space is limited, so first come first serve. Maximum registration of 50 persons.

This program has been approved for 2.0 hours of Ohio Forest Tax Law Education Credits. Call the Coshocton County Extension office at 740-622-2265 for more information about this program.

**PRE-REGISTRATION IS REQUIRED.** \$10 per person. Registration deadline is required by March 4, 2019. Make checks payable to Ohio State University Extension. Mail to Coshocton Extension office, 724 South 7<sup>th</sup> Street, Coshocton, Ohio 43812. Please detach and return this form with payment. Thank you. Registration is limited to 50 persons.

Name(s): \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ E-mail: \_\_\_\_\_

Registration fee enclosed \_\_\_\_\_ \$10 per registrant







## DICAMBA LABEL MODIFICATIONS FOR 2019

In October 2018, the USEPA approved revised labels for Engenia (EPA Reg. No. 7969-345), Xtendimax (EPA Reg. No. 524-617), and FeXapan (EPA Reg. No. 352-913). The manufacturers of these dicamba products voluntarily agreed to the additional requirements for their products. The changes include:

- 1) Previous Labeling** — Applicators must follow the 2019 labeled directions for use. **These new labels supersede all prior labels for these products and expire on December 20, 2020.** Applicators must obtain a copy of the registrant's new label and must have that label in their possession at the time of use.
- 2) Certified Applicator Requirement** — Only certified applicators may purchase and apply the products. Those operating under the supervision of a certified applicator may no longer purchase or apply. **Additionally, anyone who mixes, loads, or cleans dicamba application equipment, must become a certified applicator.**
- 3) Dicamba/Auxin-Specific Training** — Prior to applying these products in the 2019 growing season and each growing season thereafter, all applicators must complete dicamba or auxin-specific training. The applicator must complete annual dicamba or auxin-specific training provided by one of the registrants of a dicamba product approved for in-crop use with dicamba-tolerant crops.
- 4) Increased Recordkeeping Requirements** — Private and Commercial applicators are required to maintain application records as outlined in OAC 901:5-11-10. This information must be generated on the day of application and retained for 3 years. In addition to Ohio's recordkeeping requirements, the new dicamba labels also require applicators to record within 72 hours (previously 14 days):

|                      |                          |                               |               |
|----------------------|--------------------------|-------------------------------|---------------|
| Proof of Training    | Spray System Cleanout    | Start and Finish Times        | Planting Date |
| Application Timing   | Air Temperature          | Nozzle Selection              |               |
| Receipts of Purchase | Wind Speed and Direction | Buffer Distance Calculation   |               |
| Tank Mix Partners    | Product Labels           | Sensitive Area/Crop Awareness |               |
- 5) Temperature Inversions** — Applications may only be made from 1 hour after sunrise until 2 hours before sunset.
- 6) Post-emergence Application Window** — For dicamba-tolerant soybeans, you can only apply from planting through 45 days after planting or up until R1 (first bloom), whichever comes first.
- 7) Sensitive Crops/Areas** — Applicators must be aware that the wind direction may vary during the application. If wind direction shifts such that the wind is blowing toward neighboring sensitive crops or residential areas, stop the application. Sensitive crops/areas include, but are not limited to, non-dicamba tolerant soybeans and cotton, tomatoes and other fruiting vegetables (EPA crop group 8), fruit trees, cucurbits (EPA crop group 9), grapes, beans, flowers, ornamentals, peas, potatoes, sunflower, tobacco, other broadleaf plants, and including plants in a greenhouse.



- 8) Endangered Species** — Fields that exist in counties that may harbor certain endangered terrestrial dicot plant species will require a 167' downwind buffer and a 57' buffer on all other sides of the field. Applicators must consult <http://www.epa.gov/espp/> for Endangered Species Protection Bulletins. Currently in Ohio, only Erie and Ottawa counties have endangered species protection areas for the Lakeside Daisy.
- 9) Wind Speed** — Applications may only occur when wind speeds are between 3-10 miles per hour at boom height.
- 10) Spray System Equipment Clean-out** — Spray equipment must be thoroughly cleaned before and after applications. The triple rinse procedure includes cleaning tanks, pumps, lines, filters, screens and nozzles with a strong detergent based sprayer cleaner.

Please note this is not an exhaustive list of label changes for each dicamba product. ODA encourages all applicators to study and note all requirements detailed for each specific product. For questions, please contact the ODA Pesticide and Fertilizer Regulation Section at 614-728-6987 or [pesticides@agri.ohio.gov](mailto:pesticides@agri.ohio.gov).

### Product Training Websites

(Information is constantly updated, please continue to monitor for updated trainings)

[www.roundupreadyxtend.com/stewardship/education](http://www.roundupreadyxtend.com/stewardship/education)

<https://www.engeniastewardship.com/#/>

[www.FeXapan.DuPont.com](http://www.FeXapan.DuPont.com)

### Product Websites

<https://www.engeniastewardship.com/#/>

[www.xtendimaxapplicationrequirements.com](http://www.xtendimaxapplicationrequirements.com)

[www.FeXapan.DuPont.com](http://www.FeXapan.DuPont.com)

