

**COSHOCTON COUNTY AGRICULTURE & NATURAL RESOURCES****February 16 (Edition #134)**

Wet Times and Challenges Ahead  
Is Using a Herbicide Impregnated Fertilizer an Option for Pastures on a Budget?  
USDA Fertilizer Analysis: 2011 – 2021  
Small Ruminant Management: Pre-weaning Health Considerations – Part 1  
Can Talking About Death be the best Valentine's Day Gift?  
Join us for "Farm Office Live" on February 16 & 18  
Robert Moore joins OSU Agricultural & Resource Law Program  
National AG Day Lunch Slated for March 22  
ODA Testing Date in Coshocton County Slated for March 17  
OSU Extension to Host 2022 East Ohio Women in Agriculture Conference  
Regional Ag Outlook Meeting Slated for February 14  
Winter 2022 Beef Quality Assurance Re-Certification Trainings  
2022 Central Ohio Agronomy School  
Mid-Ohio Small Farm Conference  
SWCD 2022 Tree Seedling Sale

Hello Coshocton County! Usually the Month of March give us the rollercoaster ride of weather...but this year the rollercoaster has arrived early. This week our weather will share low temperatures in the single digits to highs today and tomorrow in the mid 50's before dropping below freezing for this weekend. What a ride!

While the weather has been chaotic, I have been very pleased with the agricultural programs we have held recently. We had an excellent pesticide and fertilizer re-certification session last Thursday evening and on Monday, we held our regional policy and outlook meeting in Zanesville. Our speakers did a wonderful sharing their outlook for commodity prices and supply and labor shortages.

There are still a lot of great programs coming up and I would encourage you to check out today's issues for more details about each of these programs.

I hope each of you have a great and safe week!

Sincerely,

*David L. Marrison*

Coshocton County OSU Extension ANR Educator

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 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>



**THE OHIO STATE UNIVERSITY**  
COLLEGE OF FOOD, AGRICULTURAL,  
AND ENVIRONMENTAL SCIENCES

## ***Wet Times and Challenges Ahead***

By: Jim Noel

Source: <https://agcrops.osu.edu/newsletter/corn-newsletter/2022-04/wet-times-and-challenges-ahead>

Unlike last year's weak La Nina, this weak to moderate La Nina is behaving much more like an average La Nina. That means wetter and more challenging times ahead compared to 2021. The pattern looks wet from now through spring. It looks pretty certain we will see a wetter late winter and spring than 2021 but right now it does not look as wet as 2019 or 2011 but it does look wetter than normal.

The official NOAA precipitation outlook through April is at this link:

[https://www.cpc.ncep.noaa.gov/products/predictions/long\\_range/lead01/off01\\_prcp.gif](https://www.cpc.ncep.noaa.gov/products/predictions/long_range/lead01/off01_prcp.gif)

The official NOAA outlook for rainfall from April-June (heart of planting season) you can see it here:

[https://www.cpc.ncep.noaa.gov/products/predictions/long\\_range/lead03/off03\\_prcp.gif](https://www.cpc.ncep.noaa.gov/products/predictions/long_range/lead03/off03_prcp.gif)

The summer outlook for rainfall still looks normal to wetter than normal and you can see the NOAA outlook here:

[https://www.cpc.ncep.noaa.gov/products/predictions/long\\_range/lead05/off05\\_prcp.gif](https://www.cpc.ncep.noaa.gov/products/predictions/long_range/lead05/off05_prcp.gif)

Other challenges appear to be cold ground temperatures currently that will combine with a mild March but indications of a chilly April. This could mean ground temperatures will lag until at least May. This is something worth watching. If recent trends of a chilly April continue it could mean the last freeze/frost will be later than normal as well.

For the rest of February on a last note, it looks wet. Normal precipitation for about 2 weeks is 1-1.25 inches. We are looking at 2 to possibly 4 inches of precipitation from north to south across the state as shown in the image. A lot will come as rain but some snow will also occur in places. This will result in precipitation being 175%-300%+ of normal.

## ***Is Using a Herbicide Impregnated Fertilizer an Option for Pastures on a Budget?***

By: Christine Gelly, Agriculture and Natural Resources Educator, Noble County OSU Extension

Source: <https://u.osu.edu/beef/2022/02/16/is-using-herbicide-impregnated-fertilizer-an-option-for-pastures-on-a-budget/>

Weed and feed products that combine herbicide and fertilizer application into one have long been available for lawn care use. Dry and stable fertilizer can be coated with a herbicide and top dressed onto a lawn to provide nutrients to the growing grass and help combat competing weeds. If the process shows favorable results in a lawn, could it work in a pasture or hay field?

Theoretically, yes it could work. But, there are distinct differences between the management and use of a lawn versus that of a crop that will be eaten by livestock. Pairing the appropriate herbicide with the fertilizer, adhering to any waiting periods for grazing or harvest, environmental conditions, and the scale of applying to multiple acres rather than a few hundred or thousands of square feet all create a more complicated equation for the feasible use of herbicide impregnated fertilizers on pastures and hay fields.

At this year's American Forage and Grassland Council Conference, Corteva Agriscience offered a session on the potential uses of a newly released herbicide impregnated fertilizer product called UltiGrazSM. UltiGrazSM Pasture Weed & Feed is currently registered in 22 states with the options to combine dry fertilizer with DuraCor® or GrazonNext® HL herbicides. Producers within the service areas of a certified UltiGrazSM retailer could see reduced overall material and transportation costs for herbicide and fertilizer when combined into one application.

Are we within the service area of a certified dealer for the 2022 growing season? Unfortunately, no. UltiGraz<sup>SM</sup> is not yet registered for use in the State of Ohio. Our neighbors to the South, Kentucky and West Virginia, are two of the 22 states with active registration, but Ohio, Indiana, and Pennsylvania are not. Ohio will likely be included soon, but for now, we have to admire the results from afar.

With the continued squeeze on all types of goods and services in our supply chain, fertilizer and herbicide availability and cost continue to raise concern for the 2022 growing season. It is encouraging to see continued development in the industry to help alleviate the challenges forage growers are encountering. Although herbicide impregnated fertilizers for pasture may not be available for Ohio growers yet, they are on the horizon.

When it comes to budgeting for input costs on crops in 2022, OSU Extension understands the concerns of the budget crunches ahead and we are available to talk through potential scenarios to help make the most of a tough situation. For consultation on pasture or forage weed concerns and fertilizer needs in 2022, please consider chatting with your local OSU Extension Educator to discuss your situation.

## **USDA Fertilizer Analysis: 2011-2021**

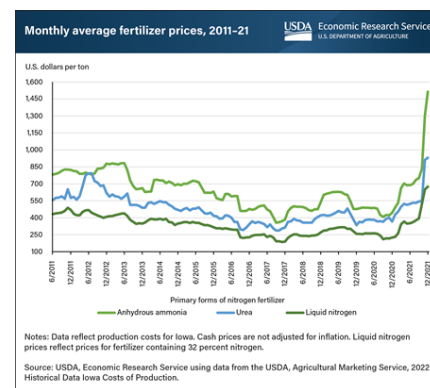
By: Chris Zoller, Extension Educator, ANR, Tuscarawas County

Source: <https://u.osu.edu/ohioagmanager/2022/02/13/usda-fertilizer-analysis-2011-2021/>

The United States Department of Agriculture Economic Research Service (USDA ERS) recently published monthly prices of nitrogen fertilizer from the period 2011-2021. The analysis includes three primary forms of nitrogen: anhydrous ammonia, urea, and liquid nitrogen.

USDA ERS estimates fertilizer accounts for an average of 36 percent of operating costs for corn production and 35 percent of operating costs for wheat production. These costs come from the USDA Economic Research Service's 2020 Commodity Cost and Returns, published in October 2021.

The chart above represents monthly costs in dollars per ton for anhydrous ammonia, urea, and liquid nitrogen for the period 2011 – 2021. Nitrogen fertilizer prices declined gradually from 2013 to 2017 before starting a gradual uptick. In early 2021, nitrogen fertilizer prices began to increase sharply along with the price of natural gas.



USDA ERS compared fertilizer prices from December 2020 to December 2021. Estimated price increases included: anhydrous ammonia (235 percent increase); urea (149 percent increase); and a 192 percent increase for liquid nitrogen.

## **Managing Increased Fertilizer Prices**

Managing these price increases requires attention to detail. Talk with your agronomist and Extension Educator about your soil test levels, cropping plans, and opportunities to keep input costs at a minimum. In addition, consider using these resources:

- Tri-State Fertilizer Recommendation for Corn, Soybean, Wheat, and Alfalfa [https://agcrops.osu.edu/FertilityResources/tri-state\\_info](https://agcrops.osu.edu/FertilityResources/tri-state_info)
- Considerations for Managing P & K in 2022 <https://agcrops.osu.edu/newsletter/corn-newsletter/2022-03/considerations-managing-p-k-2022>
- Fertility Calculator for Ohio Recommendations <https://agcrops.osu.edu/newsletter/corn-newsletter/2022-02/fertility-calculator-ohio-recommendation>
- OSU Extension Crop Enterprise Budgets <https://farmoffice.osu.edu/farm-management/enterprise-budgets>
- Nitrogen Rate Calculator <http://cnrc.agron.iastate.edu/>

## **Summary**

While the increase in fertilizer prices has slowed recently, they are at historically high prices. Having current soil tests, talking with advisors, and evaluating cropping and soil fertility plans will be critical this year.

## **Small Ruminant Management: Pre-Weaning Health Considerations**

By: [Dr. Brady Campbell](#), Assistant Professor, State Small Ruminant Extension Specialist

Source: <https://u.osu.edu/sheep/2022/02/15/small-ruminant-management-lamb-pre-weaning-health/>

As we discussed a few weeks ago, abortion causing diseases can strike your operation at any time without warning. I hope that you don't experience any of those types of hardships in your endeavors, but if you do, you now have a resource to reference when something goes awry. Being able to identify the current challenge your flock or herd is facing and having the tools to remedy the issue is key for success in any livestock enterprise. Of course, the management of your operation doesn't stop at reproduction, or at least we hope not! Once you have hardy and healthy lambs and kids on the ground, it is important to remain vigilant to ensure success during the pre-weaning phase of production.



According to Dwyer and others (2016), lambs and kids are most vulnerable to disease and mis-management that often results in death during the first 24-48 hours after birth. Furthermore these authors also support that approximately 50% of pre-weaning death losses occur within the first two days of life. Globally, the estimated mortality or death rate in sheep operations hovers around 15%, which has remained unchanged for nearly 40 years. Depending upon the size of your operation and intensity of management, these values may seem staggering or on par to what you would normally expect. Often times, early lamb and kid loss is commonly associated with issues during the birthing process, weak and small lambs and kids, or lack of adequate colostrum intake. For those that are curious as to what adequate colostrum intake is, it is recommended that lambs and kids receive 10% of their body weight in colostrum within the first 24 hours. Moreover, half of this should be received within the first 8 hours of life as by 12 hours post birth colostrum absorption decreases by 50%. As an example, a lamb or kid weighing 10 lbs. will require 1 lb. or 16 oz. of colostrum. Remember, if measuring intake or in the case of tube feeding, 1 oz. = 30 cc.

Now that we have the basics covered, let's turn our attention to factors that result in weak and ultimately unthrifty lambs and kids that occur at birth or shortly after.

### **Dystocia/birth trauma/small birth size/mis-mothering**

As producers we hope that we don't experience any issues during lambing and kidding, but it would be unrealistic to think that nothing will occur that won't challenge our skillset as caretakers and producers at least once during the season. Challenges associated with dystocia (lamb and kid malpresentation or deformation), swollen heads and necks, small birth sizes, and mis-mothering can all result in weak, unthrifty, and dead lambs and kids. For those that are interested in learning more about dystocia, such as how and when to assist, be sure to check out our very own Jacci Smith as she walks through various scenarios in this video ([Lambing and Kidding Simulators](#)). As a result of dystocia, you may experience swelling of the head and neck in lambs and kids that remain in the birth canal or have only their head presented for an extended period of time. Because of the swelling, it is difficult for a lamb or kid to nurse and therefore supplemental feeding via tubing may be required. An example on how to properly tube feed a lamb or kid can be found here ([Tube Feeding Lambs and Kids](#)). Lambing and kidding in large pens may increase instances of mis-mothering. It is recommended that your flock or herd be separated into smaller 'drop groups' in a smaller area to reduce the number of females giving birth at once, thus reducing the potential for stealing or lambs and kids wandering too far away from the birth site.

### **Hypothermia**

Hypothermia is an additional concern that occurs shortly after birth, especially for this time of year. It is noted by the Pipestone program that lambs have enough brown fat reserves to survive the first 6-8 hours after birth without colostrum/milk intake in conditions above freezing. Beyond this time period, young lambs and kids that do not receive colostrum will suffer from hypothermia as internal body temperatures will plummet quickly.

Remember, it is never recommended to feed (via bottle or tube) a hypothermic lamb or kid. For those interested in how to warm lambs and kids up prior to feeding, be sure to check out this article on [intraperitoneal injections](#). This resource outlines the level of hypothermia a lamb or kid may be experiencing as well as provides step-by-step guidance on how to implement this life saving procedure.

### **Starvation – Mastitis and Ovine Progressive Pneumonia (OPP) or Caprine Arthritis Encephalitis (CAE)**

Once we have gotten our lambs and kids beyond the first 24 hours of life, mother nature tends to kick in and take care of itself. This isn't to say that our work is done as we must remain observant each time we make a trip to the barn. Starvation can occur at any time during the lactation period, but is of great concern during the first 30 days of life prior to lambs and kids eating grains and forages. Lambs and kids that are not receiving adequate milk intake will show various signs indicating that there is an issue such as arched backs, sunken in sides (i.e., slab sided), and lethargy. If you suspect there to be an issue with milk production and consumption, first check the source by stripping each teat. If no milk is present, begin observing and feeling the udder to determine potential issues.

Mastitis can set in prior to birth or after and is caused by a bacterial infection from organisms such as *Staphylococcus aureus* or *Pasteurella hemolytica* for example. In order to determine which bacteria strain is infecting your operation, work with your local veterinarian to collect samples for further analysis. For those that have avoided this misfortune, mastitis results in hard, hot, painful, and swollen udders. There may be an alteration in milk production – either poor quality milk that appears clotted and chunky or no milk available at all. Just as we see with dairy cattle, treatment is possible, but only successfully when detected early. Mastitis can be easily avoided by ensuring that our facilities remain clean through proper sanitation. Furthermore, keeping your barns appropriately bedded will also aid in reducing the risk for bacteria entering the teat each time a ewe or doe lays down. Of course it should be of no surprise that if we face challenges associated with mastitis we should supplement lambs and kids as needed and cull infected ewes and does as soon as possible.

Aside from mastitis, there can be other issues that may result in starvation. In talking with local producers this year, there have been reports of some having issues with scar tissue forming in and around teat canals. Scar tissue production is the direct result of tissue damage and trauma. This is more than likely the result of aggressive nursing during the previous lactation. Therefore, to potentially reduce this issue we must ensure that our ewes and does are fed appropriately to produce adequate milk and be sure to offer additional feed (i.e., creep feed) to lambs and kids. Furthermore, aside from physical damage, we may face some challenges associated with viral diseases. Ovine Progressive Pneumonia (OPP) in sheep and Caprine Arthritis Encephalitis (CAE) in goats can both negatively affect milk production. In general, both of these not only have the potential to result in hard and unproductive udders, but also chronic weight loss, respiratory distress, and swollen joints that typically results in lameness. These diseases are more critical when compared with those above as they can infect a large number of animals in a short amount of time. Infection can spread either via nose to nose contact with flock and herd mates and via colostrum in nursing offspring. Therefore, it is critical that you only purchase animals from clean operations and cull animals immediately once they have been confirmed positive. Unfortunately, reports have indicated that approximately 25% of all North American have OPP. To help better understand how to manage OPP and how you can reduce its spread I encourage you to check out the [OPP Society](#).

Although this certainly isn't an exhaustive list of what you may experience in your operation during the first few weeks of new born management, it gives us a good understanding of what to potentially expect and how to manage it. Be sure to tune in next week as we dive deeper into additional health concerns that we should be aware of that may negatively affect our operations as we take a look at pneumonia, tetanus, navel and joint ill, as well as enterotoxemia. Happy Shepherding!

## ***Can Talking About Death be the best Valentine's Day Gift?***

By: David Marrison, Coshocton County AG & Natural Resources Educator

Written for Farm & Dairy Newspaper, Dairy Excel Column on February 17, 2022

Hello, Northeast Ohio! On Monday, we celebrated Valentine's Day. So, what did you give your loved one on this special day? Was it roses, chocolate or maybe an edible fruit bouquet? Your display of affection may have also included a sentimental card, a bottle of Ohio wine, or candles. Each are excellent ways to express love.

In addition to the forementioned love overtures, our Ohio State University Extension farm succession team encouraged attendees in our four week "Planning for the Future of Your Farm" webinar series to add a different twist to this year's Valentine's Day celebration.

What was this twist? Our twist was for farm couples to enjoy a romantic dinner complete with all their favorites foods and then to sit in the glow of candlelight and to talk about a very important subject; this being their individual mortality.

Really, talk about death on Valentine's Day? Afterall, death is not a romantic topic or one which many are comfortable talking about. It is even harder to think about our own mortality. However, I would contend this conversation could be one of the most loving and thoughtful discussions which a couple can have.

Our challenge is to complete a succession and estate plan which allows for a smooth transition once we are gone. One of the hypothetical questions we pose in our workshops is "What knowledge would you need to pass on if you knew you had only 2 months to live?" This exact scenario happened to our family almost twelve years ago when my father was diagnosed with pancreatic cancer.

I am grateful that we had seven weeks with my dad to quickly make preparations and to learn so much. The coronavirus pandemic has also been a stark reminder that our world can change in an instant. I challenge you to think how your farm and family would react to the loss to a primary operator or partner. What knowledge and skills need to be transferred so they can be successful without you?

As you plan there are a myriad of decisions to be made. One of the most difficult is determining how to be fair to off-farm heirs without jeopardizing the future of the heirs who have remained with the family business. Other decisions include deciding who will manage the business in the future, how to distribute assets, how and when the senior generation will retire, and how the business will deal with unexpected issues such as divorce, disability, family discord, or paying for nursing home expenses.

One of the most crucial planning functions is preparing the next generation to lead the farm in the future. It is a great idea to ask the next generation what additional responsibilities they believe they should be taking on and what changes they would like to see made for them to be successful in the future. What do they need to be schooled up on? Have you completed a skills assessment with each son or daughter to see what training they need to be successful in the future? If they had to take over the farm today, what would they be most concerned or scared about? What approach will you take to methodically transfer managerial control?

Another act of love is to work as a couple and family to compile a listing of your financial and farm documents. In our workshops, we share a writeable PDF document titled "Getting Your Farm and Family Affairs in Order." This document allows families to summarize their assets and how each is owned, valued, and titled. This information along with liabilities will be needed by your attorney as you develop your estate plan.

Now is a great time to pull these documents together in an estate binder as we are receiving many of our year end summaries from financial institutions. Having all of these documents together will save you money as you meet with your attorney and is sure to make the settling of your estate less of a burden on your spouse and family members.

So, I encourage you to take a whiff of those Valentine's Day flowers, eat a piece of leftover candy, and then

start the loving process of planning for your farm's future.

Our farm succession team is here to help you. In addition to our in-person and virtual workshops, we are also available to speak at events and to conduct kitchen-table meetings with your farm family. Learn out more at <http://go.osu.edu/farmsuccession> And remember some wise advice from Chuck Palahniuk who stated "We all die. The goal isn't to live forever, the goal is to create something that will." Have a good and safe day!

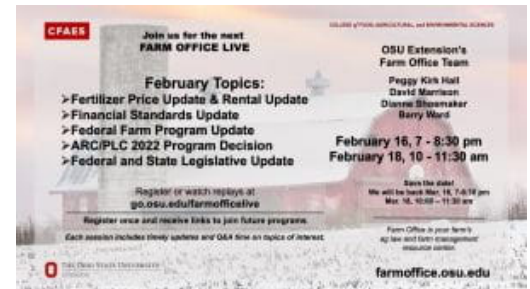
## **Join us for "Farm Office Live on February 16 & 18**

Source: <https://u.osu.edu/ohioagmanager/2022/02/14/join-us-for-farm-office-liveon-february-16-18/>

It's that time again, Farm Office Live is right around the corner! We have all the hottest legal, tax, and farm management information to help you continue to emerge from "the" winter event of the season, so far.

Our program this month will feature Chris Bruynis, PhD, Associate Professor and Extension Educator, sharing information on the 2022 ARC/PLC Program decision. The Farm Office Team of Dianne Shoemaker, David Marrison, Peggy Kirk Hall, and Barry Ward will follow with discussion and updates on:

- Fertilizer price and rental rates
- Financial standards
- The Federal Farm Program
- State and federal legislation



We are offering Farm Office Live this Wednesday, February 16 from 7 – 8:30 pm, and again on Friday, February 18 from 10 – 11:30 am. Register or catch the recorded version at <https://farmoffice.osu.edu/farmofficelive>.

## **Robert Moore Joins OSU Agricultural & Resource Law Program**

By: Peggy Kirk Hall, Associate Professor, Agricultural & Resource Law

Source: <https://farmoffice.osu.edu/blog/thu-02102022-818am/robert-moore-joins-osu-agricultural-resource-law-program>

OSU is happy to welcome attorney Robert Moore to the Agricultural & Resource Law Program and Farm Office team. Many in Ohio know Robert from his years in private practice with Wright & Moore Co, LPA, the firm he joined with Paul Wright and then co-owned with his wife Kelly. Robert and Kelly are transitioning the law firm to their colleague Ryan Conklin, who along with attorney Evin Bachelor will continue representing farm clients across Ohio.

Robert grew up on a dairy farm in Coshocton County, where his family now raises beef cattle and crops. He's a double OSU graduate, first receiving a B.S. in dairy science followed by a Master's degree in agricultural economics.



His new position is a return to OSU, as Robert previously spent four years as an Extension Educator in Fairfield County and five years running the production business management program for OSU Extension. During that time, he began attending Capital University Law School and graduated Cum Laude with his law degree in 2005. We're thrilled that his enthusiasm for teaching drew Robert back to OSU.

At OSU, Robert will put his years of advising farm operations on business and estate planning to work as he assumes responsibility for those areas in the Agricultural & Resource Law Program. Through our partnership with the National Agricultural Law Center, Robert will implement research projects on long-term care planning, keeping farmland in the family, and using LLCs for farm businesses. You'll see Robert teaching for events like

Farm Office Live and our Planning for the Future and Farmland Leasing workshops. Watch for articles in the Ohio Ag Law Blog and his publications on [farmoffice.osu.edu](http://farmoffice.osu.edu). He has a great deal of knowledge to share with us.

We're fortunate to bring Robert's expertise to the Agricultural & Resource Law Program and expand our capacity to provide legal research and outreach to Ohio's agricultural community. Please join us in welcoming Robert back to OSU!

### ***National AG Day Lunch Slated for March 22***

We are pleased the Coshocton County Ag Day Luncheon will make its return on Tuesday, March 22, 2022. This event was cancelled in 2020 and held as a drive through event last year due to the coronavirus pandemic. Please join us in-person this year as we recognize the contributions of today's farmers and show our appreciation for the men and women of agriculture.

This year's theme is "Growing a Climate for Tomorrow" and is sponsored by Farm Credit Mid-America, the Coshocton Soil & Water Conservation District, and Ohio State University Extension. The Celebration will be held at the Lake Park Pavilion located at 23253 State Route 83 in Coshocton, Ohio. The doors will open at 11:30 a.m. with lunch at 11:45 a.m. followed by a short program that will adjourn at 1:00 p.m. The meal is being catered by Shumaker Farms and the cost is \$8 per person. Reservations are required by March 15 and can be made by calling 740- 622-8087, ext. 4 or via email at [samanthapriest@coshoctoncounty.net](mailto:samanthapriest@coshoctoncounty.net). We hope you join us to celebrate Coshocton County Agriculture.



### ***ODA Testing Date in Coshocton County Slated for March 17***

The Ohio Department of Agriculture (ODA) will be administering Private and Commercial Pesticide license examinations on March 17, 2022 at the Coshocton County Services Building (Room 145) located at 724 South 7<sup>th</sup> Street in Coshocton, Ohio. The testing will begin at 10:00 a.m. 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/>

### ***OSU Extension to Host 2022 East Ohio Women in Agriculture Conference***

Source: <https://u.osu.edu/ohioagmanager/2022/02/05/osu-extension-to-host-2022-east-ohio-women-in-agriculture-conference/>

Ohio State University (OSU) Extension will host the 7th Annual East Ohio Women in Agriculture Conference. The conference is planned for Friday, March 25 from 9:00 a.m. – 3:30 p.m. at Ohio FFA Camp Muskingum, 3266 Dyewood Road SW, Carrollton, OH 44615. All women and young women (high school age) who are interested, involved in, or want to become involved with food, agricultural, or natural resources production or small business are encouraged to attend.

The conference program features a networking fair and sixteen breakout sessions presented by OSU Extension educators, producers, and partner agencies. See the Sessions this year are focused around four themes: Natural Resources, Plants & Animals, Home & Family, and Special Interest (includes break-out with Ohio FFA State Officers). The conference keynote will be led by Bridget Britton, OSU Extension Behavioral Health Field Specialist. She and her team will lead participants through "Stoic or Stressed? Talking through difficult topics in a safe space."

Registered participants, community organizations, or businesses interested in sponsorship can contact 740-461-6136. Interested individuals can register for the conference online at [go.osu.edu/eowia2022](http://go.osu.edu/eowia2022). Cost of the conference is \$55 for adult participants and \$30 for students. Conference fee includes conference participation, breakfast, lunch, and conference handouts. Deadline for registration is Friday, March 11. For additional information, please contact Emily Marrison, OSU Extension Coshocton County at 740-622-2265. Stay connected with the Ohio Women in Agriculture Learning Network on Facebook @OHwomeninag or subscribe to the Ohio Women in Agriculture blogsite at [u.osu.edu/ohwomeninag](http://u.osu.edu/ohwomeninag)

### **Winter 2022 Beef Quality Assurance Re-Certification Trainings**

The Coshocton County Extension office will be offering two additional **Beef Quality Assurance (BQA)** re-certification meetings during the winter of 2022 to help producers renew their BQA certification. These sessions will be held on March 9 and April 13 from 7:00 to 8:30 p.m. in Room 145 at the Coshocton County Services Building located at 724 South 7<sup>th</sup> Street in Coshocton County. Pre-registration is required for each session as space is limited. There is no fee to attend. Call 740-622-2265 to pre-register. These sessions also qualify for anyone who is seeking a first time certification.



If you cannot attend one of our local sessions, Tuscarawas County will also be holding Beef Quality Assurance classes on February 28 (7 p.m.) and March 30 (7:00 p.m.) at the Sugarcreek Stockyards. Call 330-339-2337 to pre-register. Online certification and recertification is also available and can be completed anytime at <https://www.bqa.org/beef-quality-assurance-certification/online-certifications>.

### **2022 Central Ohio Agronomy School**

By: John Barker

Source: <https://agcrops.osu.edu/newsletter/corn-newsletter/2022-04/2022-central-ohio-agronomy-school-nuts-bolts-about-corn-soybean>

The 2022 Central Ohio Agronomy School will be held on Monday evenings, beginning on Monday, March 7 through Monday March 28, from 6:30 –9:00 p.m. at the Ramser 4-H Activity Center 700 Perimeter Dr. Mount Vernon, Ohio 43050 (on the fairgrounds). This four-week program will provide the attendees with the most comprehensive, up-to-date crop production and agricultural technology information available today. This school is designed with everyone in mind; part-time or full-time producer, beginner or CCA agronomist. Within each subject area we will teach the basic concepts and progress to the most advanced agronomic principles.

Topics include:

March 7 - Weed ID With Live Plants - Key Identifying Characteristics  
John Barker, Ag Educator, Knox County  
I Have It ... Now How Do I Get Rid of It? – Developing Multi-Year  
Herbicide Programs  
Dr. Mark Loux, OSU Weed Science

March 14 - Local, State and National Issues Facing American Farmers  
John Linder, Chairman National Corn Growers Association  
Are Retirement Plans in Your Future – What Do I Need To Consider?  
David Marrison, OSU Extension - Coshocton County

March 21 – Corn Disease Update – Tar Spot, Vomitoxin and Much More  
Dr. Pierce Paul, OSU Plant Pathology  
Carbon Credits - Is There Really A Market In Ohio?  
Mike Estadt, OSU Extension - Pickaway County



## March 28 – Solar Leasing Considerations For Ohio Farmers?

Eric Romich, Field Specialist Energy Education Ohio State University Extension  
Ag Outlook - Farming In A World Facing Supply Chain & COVID Issues  
Ben Brown, Sr. Research Associate Univ. of Missouri Extension

This school will provide:

- 11.5 continuing education credits (CEU's) for Certified Crop Advisors,
  - C.M. 2, I.P.M. 5.5, N.M 1, P.D. 3.
- 8.5 hours of Commercial Pesticide & Fertilizer Credits
  - Core, 2A, 2C, 2D, 9, and 15 (fertilizer).
- 8.5 hours of Private Pesticide & Fertilizer Credits
  - Core, Cat 1, Cat 2, Cat 6, and Cat 15 (fertilizer).

Registration costs vary due to CCA credits and pesticide applicator credits. This program is sponsored by Advantage Ag & Equipment, B&B Farm Service, Central Ohio Farmers CO-OP, Clark Seeds, Cubbage Electric, Farmcredit, Seed Consultants, and The Ohio State University Extension. For more information contact the OSU Extension Office in Knox County (740-397-0401). The following link will provide more information for this program. <https://u.osu.edu/knoxcountyag/2022/01/28/2022-central-ohio-agronomy-school/>

## Mid-Ohio Small Farm Conference

Source: <https://u.osu.edu/beef/2022/02/16/mid-ohio-small-farm-conference-sowing-seeds-for-success/>

No need to feel alone in the field. Our new and small farm conferences provide connections that will last long after the event.

- Do you own a few acres that you want to be productive but you're not sure what to do?
- Do you have a passion for farming and turning your piece of this wonderful earth into a food producing oasis?
- Do you own land or forest that you're not quite sure how to manage?
- Do you raise or produce products that you would like to market and sell off your farm but you're not sure how to make it successful?



If you're asking yourself these questions, this conference is for you! Targeted to new and small farm owners, we cover topics like:

- |                      |                        |
|----------------------|------------------------|
| • Horticulture       | • Specialty Crops      |
| • Produce Production | • Farm Management      |
| • Natural Resources  | • Marketing            |
| • Livestock          | • Miscellaneous Topics |

You'll also have the opportunity to browse a trade show featuring the newest and most innovated ideas and services for your farming operation. Talk with the vendors and network with your peers. If you are a new or small farm owner, you don't want to miss the 2022 Small Farm Conference – Sowing Seeds for Success on March 12th from 8:00 a.m. – 3:30 p.m. at the Mansfield OSU Campus in Ovalwood Hall. The campus is just minutes from I-71 and US Rt 30.

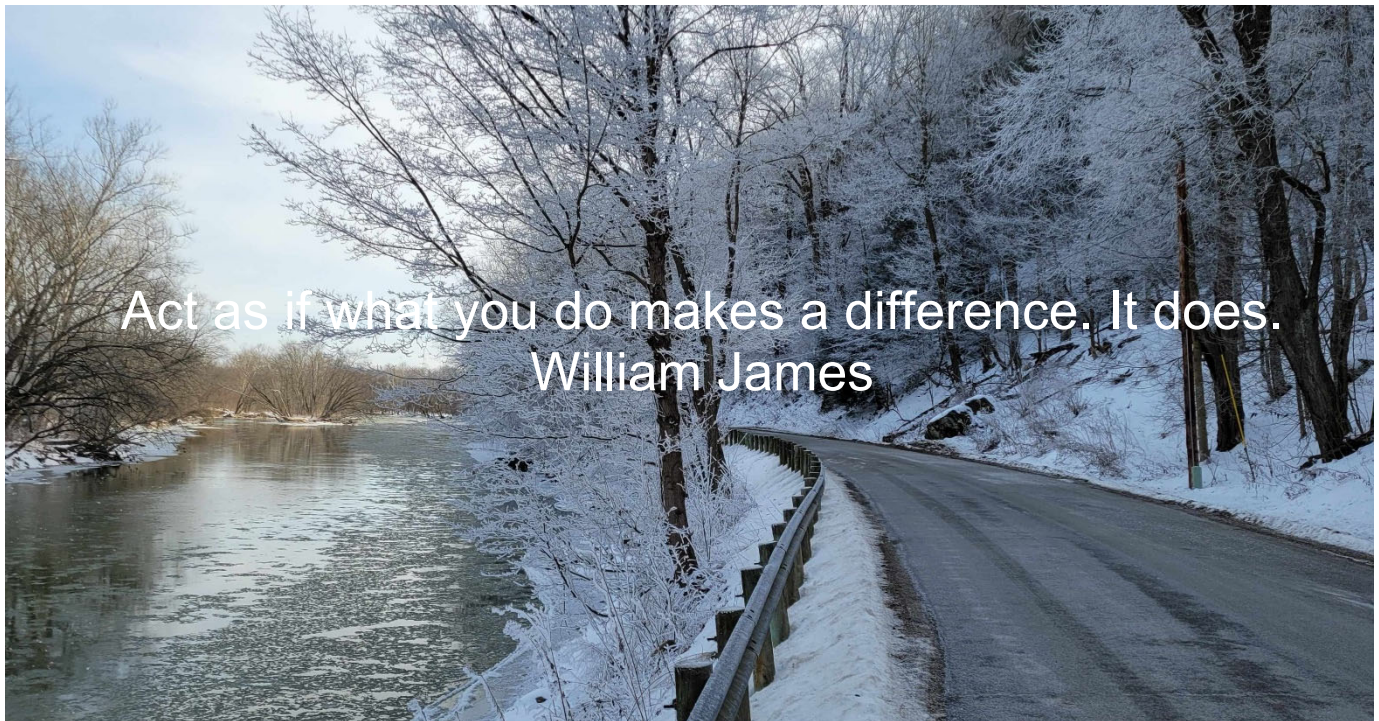
Please visit: <https://go.osu.edu/osufarmconference2022> for class and registration details or call OSU Extension Morrow County 419-947-1070.

## **SWCD 2022 Tree Seedling Sale**

It's time for the Coshocton Soil & Water Conservation District's Annual Tree Seedling Sale! Tree varieties are available in packs of 5, 25, or 100 seedlings, and this year the Elderberry, Persimmon, Redbud, and Silky Dogwood are also available as single 3 to 4 foot saplings. Other items that are available this year include wildflower seed packets, Plantskydd wildlife repellent, tree tubes, and marking flags. Our supplier has decided to offer fewer varieties than in the past to simplify the sale during this unpredictable time.

As in past sales, seedlings can be ordered with a mail-in form (see attached). The District also partners with the Licking SWCD to provide an online ordering option. A link is available on the tree sale page of our website, [www.coshoctonswcd.org](http://www.coshoctonswcd.org).

Order early as there are a set number of seedlings available for the sale. All orders are filled on a first-come, first-served basis. The deadline for turning in paper order forms is **Friday, March 4**. Online orders can be submitted through **Monday, March 21**, but the available varieties will be quite limited by that time. The pick-up day for all orders will be **Friday, April 22** at the Coshocton SWCD Office. More information about the sale is available on our website, and if you have questions, please call 740-622-8087, ext. 4 or email [samanthadaugherty@coshoctoncounty.net](mailto:samanthadaugherty@coshoctoncounty.net).



**CFAES**

**2022  
Central Ohio Agronomy  
School**

“The Nuts and Bolts About Corn and  
Soybean Production”



**Ramser 4-H Activity Center  
(On the Fairgrounds)  
700 Perimeter Dr,  
Mount Vernon OH 43050**

**Mondays  
March 7, 14, 21, 28  
6:30 - 9:00 p.m.**  
[u.osu.edu/knoxcountyag/](http://u.osu.edu/knoxcountyag/)

 **THE OHIO STATE UNIVERSITY**  
EXTENSION

**Sponsors**



*B & B Farm Service*



For more information contact:  
John Barker  
Knox County Extension Office  
160 Columbus Road  
P. O. Box 1268  
Mount Vernon, Ohio 43050  
Phone: 740-397-0401  
[barker.41@osu.edu](mailto:barker.41@osu.edu)

CFAES provides research and related education information to clientele on a non-discriminatory basis. For more information [go.osu.edu/cfaesdiversity](http://go.osu.edu/cfaesdiversity)

**2022 Central Ohio Agronomy School**

**Beginning March 7, 2022**

Return to OSU Extension-Knox County, 160 Columbus Road, P. O. Box 1268, Mount Vernon, OH 43050

Name (s) \_\_\_\_\_ Phone \_\_\_\_\_

Address \_\_\_\_\_

\$40 Agronomy School; \$60 CCA Credits; \$45 Pesticide Recertification Credits; Total Enclosed \_\_\_\_\_

Number Attending \_\_\_\_\_ Make Checks payable to OSU Extension-Knox County

# The 2022 Central Ohio Agronomy School

Will provide you with the most comprehensive, up-to-date crop production and agricultural technology information available today.

This school is designed with everyone in mind; part-time or full-time producer, beginner or CCA agronomist. Within each subject area we will teach the basic concepts and progress to the most advanced agronomic principles.

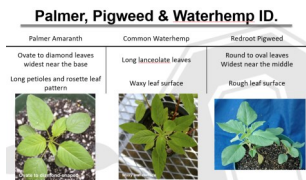
## Agenda:

**March 7**

### Weed ID - Key Identifying Characteristics

**John Barker, Ag Educator, Knox County**  
Is it palmer? Is it powell? Is it waterhemp? I hope it's pigweed!

Learn the key identifying characteristics to differentiate between palmer, waterhemp and pigweed. Actual live plants will be used in this workshop



### I Have It ... Now How Do I Get Rid Of It?

**Dr. Mark Loux, OSU Weed Science**

Dr. Loux will discuss how to develop a comprehensive multi-year, multi-crop weed control program aimed at controlling palmer, waterhemp and other invasive weeds.

**March 14**

### Key Issues Facing Agriculture

**John Linder, Chairman National Corn Growers Association**

John will share his thoughts on local, state and national issues facing American farmers

### Are Retirement Plans In Your Future?

**David Marrison, ANR Educator, Coshocton County**

Are you ready ... Mentally?  
Is your farm ready? Are your buildings and equipment ready? What about tax implications! David will address these and many other retirement considerations.



**March 21**

### Corn Disease Update

**Dr. Pierce Paul, OSU Plant Pathology**

Tar Spot - Do we have it,  
Can we control it?  
Aerial Applications of Fungicides ... is 2 gallons really enough?

Vomitoxin Research Results.

Dr. Paul will discuss current disease topics facing Central Ohio farmers.



### Carbon Credits - Is There Really A Market In Ohio?

**Mike Estadt, ANR Educator Pickaway County**

What is a carbon credit?

What is a carbon credit worth?

What do I have to do?

Mike will answer these and many other questions about selling carbon credits.

**March 28**

### Solar Leasing Considerations for Ohio Farmers?

**Eric Romich, Field Specialist Energy Education Ohio State University Extension**

Eric will share information on solar leasing options for Ohio farmers

### Ag Outlook - Farming in a World Facing Supply Chain & COVID Issues

**Ben Brown, Sr. Research Associate Univ. of Missouri Extension**

Ben will provide information on the economic outlook for 2022 including crop supply & demand, input pricing & supply, supply chain and covid related issues for ag.

## Cost:

**\$40.00 Registration Fee**

**\$60.00 (Additional) for CCA Credits (optional)**

CM .....	2	CEU's
IPM .....	5.5	CEU's
NM .....	1	CEU's
PD .....	3	CEU's
	11.5	CEU's

**\$45.00 (Additional) for Pesticide Credits (optional)**

#### Private Pesticide Recertification Credits

Core .....	1.0	Hours
Category 1 .....	2.5	Hours
Category 2 .....	.5	Hours
Category 6 .....	.5	Hours

#### Commercial Pesticide Recertification Credits.

Core .....	1.0	Hours
Category2A .....	1.5	Hours
Category2C .....	2.0	Hours
Category2D .....	1.0	Hours

#### Fertilizer Recertification Credits.

Category 15 .....	2.0	Hours
-------------------	-----	-------

**This will meet all of your pesticide & fertilizer recertification hour requirements.**

# East Ohio Women in Agriculture Conference

**Who should attend:**

Women and Young Women (high school age) who are interested, involved, or want to become involved in food, agriculture, natural resources, or small business.

This one-day conference is a great place to learn, share and network. Be surrounded by other women who are facing the same day-to-day ups, downs, adventures and dilemmas as you.

**AGENDA**

- 9:00 Registration, Network Fair & Breakfast
- 9:30 Welcome
- 10:00 Breakout 1
- 11:00 Breakout 2
- 12:00 Buffet Lunch
- 12:45 Keynote  
**Stoic or Stressed? Talking through  
difficult topics in a safe space**  
Bridget Britton  
Behavioral Health Field Specialist
- 1:45 Breakout 3
- 2:45 Breakout 4
- 3:30 Closing and Door Prizes



**THE OHIO STATE UNIVERSITY**  
EXTENSION

**Friday****March 25, 2022****9 A.M. – 3:30 P.M.**

Ohio FFA Camp Muskingum  
3266 Dyewood Rd SW  
Carrollton, OH 44615  
<https://ffacamp.com/>

\$55 Adults/ \$30 Students

Registration Deadline: March 11

For more information call 330-264-8722

Register online at  
**[go.osu.edu/eowia2022](https://go.osu.edu/eowia2022)**  
or complete & send this registration form.

**Cancellation Policy:** In the event of an unforeseen emergency, the conference will be cancelled by 11:59 PM, March 24, 2022. Attendees will be notified by email. The event will not be rescheduled. No registration fees will be refunded.

# Break Out Tracks & Sessions

	Natural Resources	Plants & Animals	Home & Family	Special Interest
Session 1	1-A <b>Sharpen your Skills: Chainsaw Maintenance and Safety</b> – Lee Beers, OSU Extension <i>Learn about safe operation, sharpening, and maintenance of chainsaws. Stay safe with personal protective equipment. Get cutting!</i>	1-B <b>Forages for Horses: The Crash Course</b> – Haley Zynda, OSU Extension <i>Managing horses also means managing grass or hay. From equine nutrition to forage species selection, the course has it all.</i>	1-C <b>He Said, She Said</b> – Emily Marrison, OSU Extension <i>Explore what research reveals about male and female communication. Learn ways to achieve more productive work settings and peaceful home environments.</i>	1-D <b>Being the Boss: 2022 Ag Labor Update</b> – Dr. Margaret Jodlowski, Ohio State University <i>A look at up-to-date data on agricultural labor availability and wages, and research on labor management specifically for female operators!</i>
Session 2	2-A <b>Preparing to Hunt</b> – Janessa Hill, OSU Extension <i>Are you interested in hunting for recreation or food? Learn about resources, equipment, and more to be successful in the field!</i>	2-B <b>Raising Livestock on 5 Acres or Less</b> – Sandy Smith, OSU Extension <i>So, you have some land, and you want some extra income or a supply of food for your family. This session will investigate all your options and possibilities.</i>	2-C <b>Charcuti...what? Everything old is new again!</b> – Kate Shumaker, OSU Extension <i>No matter how you say it, charcuterie has been around for centuries. Learn history, shortcuts, money savers, tips and more!</i>	2-D <b>Real Women, Real lives: Making Professionalism Purposeful.</b> – Cassie Mavis, Morgan Anderson & Mackenzie Ott, State FFA Officers <i>Identify, observe, and implement female leadership principles. We will dive into the driving forces in strengthening a women's professional presence.</i>
Session 3	3-A <b>Get Out: How Nature Improves Our Health</b> – Laura Stanton and Shari Gallup, OSU Extension <i>Did you know that nature is beneficial to every aspect of wellbeing? We'll explore all the reasons to get out! (May be outdoors weather permitting.)</i>	3-B <b>A complete approach to raised bed gardening</b> – Jim Jasinski, OSU Extension <i>Are raised beds right you? Learn about construction, soil mixes, plant selection, and ways to minimize weeds, diseases, and insects!</i>	3-C <b>Canning &amp; Freezing Venison</b> – Melinda Hill, OSU Extension <i>A successful hunt includes safely storing the harvested meat. Learn how to properly pressure can venison, review freezing tips, and more.</i>	3-D <b>Real Women, Real lives: Making Professionalism Purposeful.</b> – Cassie Mavis, Morgan Anderson & Mackenzie Ott, State FFA Officers <i>Identify, observe, and implement female leadership principles. We will dive into the driving forces in strengthening a women's professional presence.</i>
Session 4	4-A <b>Mushroom Mania</b> – Erika Lyon, OSU Extension <i>Learn the basics of the biology, ecology and identification of some common spring mushrooms while venturing on this outdoor fungal foray. (In the event of bad weather, this session will be moved indoors.)</i>	4-B <b>Humane Euthanasia in Livestock</b> – Dr. Sarah Finney, Tri-County Animal Clinic <i>How to recognize when it's time to euthanize and approved methods of euthanasia in livestock animals.</i>	4-C <b>Basic Clothing Repair</b> – <i>Learn basic sewing repair and what to look for when purchasing clothing that's long-lasting to help prevent wear and tear.</i>	4-D <b>Cut Flowers for Income</b> – <i>Learn how to grow, harvest, arrange and market cut flowers.</i>

## Registration Form

Name \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_

Breakout Sessions: 1 \_\_\_\_\_ 2 \_\_\_\_\_ 3 \_\_\_\_\_ 4 \_\_\_\_\_

Payment Enclosed: \$ \_\_\_\_\_ for \_\_\_\_\_ Adult(s) and/or \_\_\_\_\_ Student(s)

Please register on-line at [go.osu.edu/eowia2022](http://go.osu.edu/eowia2022) or mail registration and payment to:  
OSU Extension Harrison County, ATTN: Women in Ag, 538 North Main St., Ste H, Cadiz, OH 43907

# 2022 Tree Sale Order Form

Name: \_\_\_\_\_

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

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

How would you like to receive the pick-up reminder?

**Postcard or E-mail**

Would you like to receive our quarterly newsletter?

**Yes - No - Already Receive**

Mail order form with  
payment to:

Coshocton SWCD  
724 S. Seventh Street, Rm 120  
Coshocton, OH 43812

**Paper Order Forms must be  
received by Friday, March  
4th** and are subject to

availability. Online ordering  
may continue as tree supplies  
last. Projected pick up date is

**Friday, April 22nd** at the

Coshocton SWCD Office. If

you have any questions,

please call (740) 622-8087,

ext. 4. More information

about the tree sale and online

ordering information is

available on our website at

**[www.coshoctonswcd.org](http://www.coshoctonswcd.org)**

## **Important Information**

There is no limit on the  
number of packets that can  
be ordered, but **all orders are  
subject to availability. We  
suggest ordering as soon as  
possible, since there are a set  
number of seedlings  
available.** Orders are filled on  
a first-come, first-served  
basis. Anyone can order trees  
regardless of county  
residence, but trees *will not  
be delivered or mailed.*  
**Payment must be included  
with your order.**

<b><u>Please Indicate Quantity of Packs for Each Variety</u></b>				
<b>Native Small Trees &amp; Shrubs</b>	<b>Sapling</b> <small>One 3'- 4' sapling</small>	<b>Pack of 5</b> <small>12"-18" seedlings</small>	<b>Pack of 25</b> <small>6"-12" seedlings</small>	<b>Number of packets x price</b>
	<b>\$12.00</b>	<b>\$14.00</b>	<b>\$40.00</b>	
Arrowwood Viburnum	N/A			
Eastern Red Cedar	N/A			
Elderberry				
Persimmon				
Redbud				
Silky Dogwood				
<b>Native Large Trees</b>	<b>Pack of 5</b> <small>12"-18" seedlings</small>	<b>Pack of 25</b> <small>6"-12" seedlings</small>	<b>Pack of 100</b> <small>6"-12" seedlings</small>	<b>Number of packets x price</b>
	<b>\$14.00</b>	<b>\$34.00</b>	<b>\$110.00</b>	
Bur Oak				
Kentucky Coffeetree				
Northern Pecan				
Shagbark Hickory				
Sugar Maple				
White Oak				
<b>Native Conifer</b>	<b>Pack of 5</b> <small>9"-18" seedlings</small>	<b>Pack of 25</b> <small>6"-9" seedlings</small>	<b>Pack of 100</b> <small>6"-9" seedlings</small>	<b>Number of packets x price</b>
	<b>\$12.00</b>	<b>\$25.00</b>	<b>\$70.00</b>	
Eastern White Pine				
<b>Additional Items</b>		<b>Cost</b>	<b>Qty.</b>	<b>Qty. x price</b>
Wildflower Seed Packet		\$5.00		
Plantskydd Repellent - Powder Concentrate		\$18.56		
Plantskydd Repellent - Pre-mixed Spray		\$18.56		
Tree Tube and Wood Stake		\$6.00		
Marking Flags Circle <b>White or Pink</b>	25	\$5.57		
	50	\$6.50		
	100	\$7.42		
<b>Sub-total:</b>				
<b>Sales Tax 7.25%:</b>				
<b>Grand Total Enclosed:</b>				
<b>Starting in 2022 the State Auditor requires Soil &amp; Water to collect tax. Non-profits and farms must provide tax exempt form with order.</b>				

Seedling sizes are 6 to 18 inches depending on variety; sapling varieties are approximately 3 to 4 feet tall. All trees are state/federally inspected and **are bare root seedlings**. Due to the number of variables involved, we do not guarantee the success of the seedlings once they are in your possession. Reasonable substitutions may be made based on availability.

**Marking Flags:** Available in pink or white; each flag is 4" x 5" on a 30" wire.

**Tree Tube and Wood Stake:** A 4' tube with wood stake that can improve seedling survival and reduce wildlife damage.

**Plantskydd Repellent:** Contains 1 lb of powder concentrate that will treat over 200 plants or 1 qt of pre-mixed spray that will treat around 100 plants. Plantskydd can help prevent damage to seedlings from browsing deer, rabbits, and opossum.

**Wildflower Seeds:** 1 ounce of seeds per packet that plants 100 to 200 square feet. Mix includes a variety of perennials, grasses, and showy annuals.

Seedling Varieties in alphabetical order	Mature Height	Mature Width	Growth Rate	Sun Light	Mois-ture	Soil PH
<b>Arrowwood Viburnum</b> - Ornamental, white flowers, blue-black berries, attracts birds butterflies and moths	6'-15'	6'-15'	M	S,P,SH	D, M,W	A,N,B
<b>Bur Oak</b> - Wildlife, large tree at maturity and long-lived and offers deep shade	70'-80'	70'-80'	S	S	D,M,W	A,N,B
<b>Eastern Red Cedar</b> - Ornamental, windbreaks, wildlife, timber (do not plant near apple trees due to cedar apple rust)	40'-50'	8'-20'	M	S	D, M	A,N,B
<b>Eastern White Pine</b> - Timber, windbreaks and wildlife	60'-80'	20'-40'	F	S	M	A, N
<b>Elderberry</b> - Dark edible berries, showy white flowers, wildlife and attracts birds	5'-12'	5'-12'	F	S,P	M,W	A,N
<b>Kentucky Coffeetree</b> - Reputation as tough species, ornamental or street tree, toxic to livestock & pets if ingested	60'-95'	40'-50'	F-M	S	M	N,B
<b>Northern Pecan</b> - Edible fruit, wildlife and timber	70'-100'	40'-80'	M	F	D,M	N
<b>Persimmon</b> - Edible fruit, fragrant white flowers, wildlife and attracts pollinators	35'-60'	20'-35'	S	S,P	D,M	A
<b>Redbud</b> - Adaptable with edible pink-magenta flowers	25' - 30'	26' - 33'	M	S, P	M, W	B
<b>Shagbark Hickory</b> - Wildlife habitat (bat roosting in flaking bark), wildlife and timber	60'-80'	30'-50'	S	S,P	D,M	B,N
<b>Silky Dogwood</b> - White flowers, reddish stems and burgundy fall color	5'-8'	6'-10'	M	S,P,SH	D,M,W	N,B
<b>Sugar Maple</b> - Syrup, timber, wildlife and pollinators	60'-75'	40'-50'	M	S,P,SH	D,M	N,B
<b>White Oak</b> - Timber, wildlife, long-lived and ornamental	50' - 70'	50' - 70'	M-S	S, P	D, M, W	N

**Growth Rate:** F = fast 12"+/year, M = medium 6"-12"/year, S = slow 2"-6"/year

**Light Required:** S = sun, P = part sun/part shade, SH = shade      **Soil Moisture:** D = dry, M = medium, W = wet

**Soil pH:** A = acidic (6.5 or less), N = normal pH range (6.5 - 7.5), B = basic/alkaline (7.5 or higher)

Links to more information about the tree varieties are available on our website [www.coshoctonswcd.org](http://www.coshoctonswcd.org).

# Ohio Dairy Producer Webinar Series



**February 11: Dairy risk management: DMC & DRP**

**February 18: What is Milk Price, Production & Demand outlook**

**March 4: Keeping yourself and employees safe on the farm**

**March 18: Utilizing your manure to maximize profit**

**Dairy Risk Management:** Dianne Shoemaker & Jason Hartschuh,  
OSU Extension

**Outlook on Milk Price, Production, and Demand:** Dr. Chris Wolf,  
Cornell University

**Keeping yourself and employees safe on the farm:** Taylor Dill and  
Jamie Hampton, OSU Extension

**Utilizing Manure:** Glen Arnold, Chris Zoller, Eric Richer, Haley Zynda,  
Chris Shoup

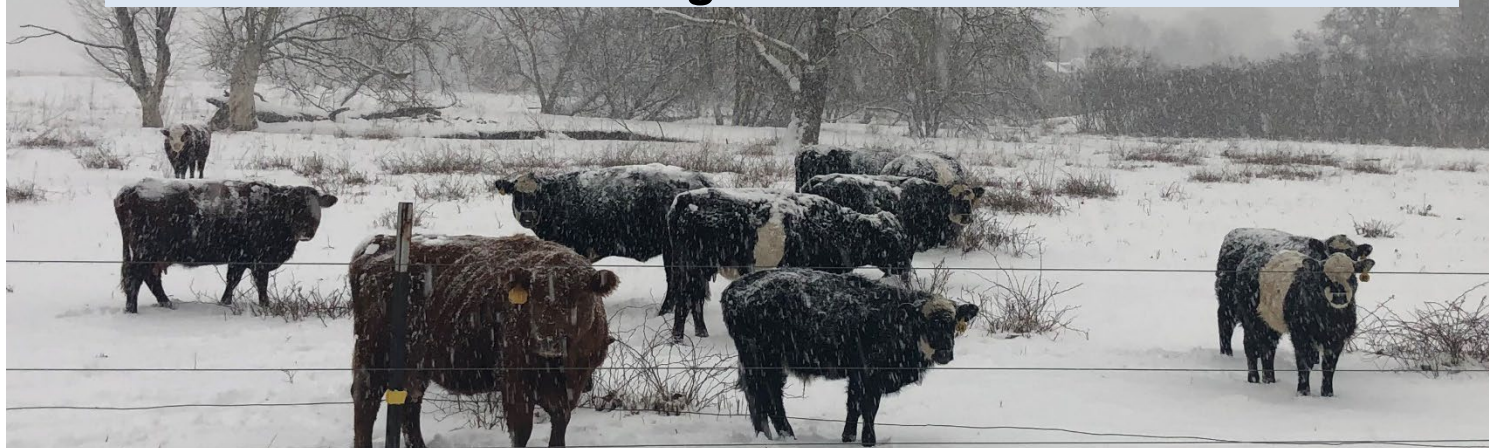
**To Register visit:** <https://go.osu.edu/2022osudairyprogram>

**CFAES**

OHIO STATE UNIVERSITY EXTENSION

# BEEF QUALITY ASSURANCE

*Re-certification Trainings for Livestock Producers*



Coshocton County will be hosting a series of Beef Quality Assurance re-certification programs to allow beef and dairy producers to re-certify their beef quality assurance during the winter of 2022. Pre-registration is required for each session as space is limited.

**Sessions Will Be Held:**

Tuesday, February 1, 2022

Wednesday, March 9, 2022

Wednesday, April 13, 2022

7:00 to 8:30 p.m.

Coshocton County Services Building

724 South 7<sup>th</sup> Street - Room 145, Coshocton, OH 43812

Seating is limited, so please RSVP

Register by calling: 740-622-2265

Other Sessions are being offered in neighboring counties or can be completed on-line anytime at [bqa.org](http://bqa.org).



**THE OHIO STATE UNIVERSITY**

COLLEGE OF FOOD, AGRICULTURAL,  
AND ENVIRONMENTAL SCIENCES

**COSHOCTON COUNTY EXTENSION**

CFAES provides research and related educational programs to clientele on a nondiscriminatory basis. For more information, visit [cfaesdiversity.osu.edu](http://cfaesdiversity.osu.edu). For an accessible format of this publication, visit [cfaes.osu.edu/accessibility](http://cfaes.osu.edu/accessibility).