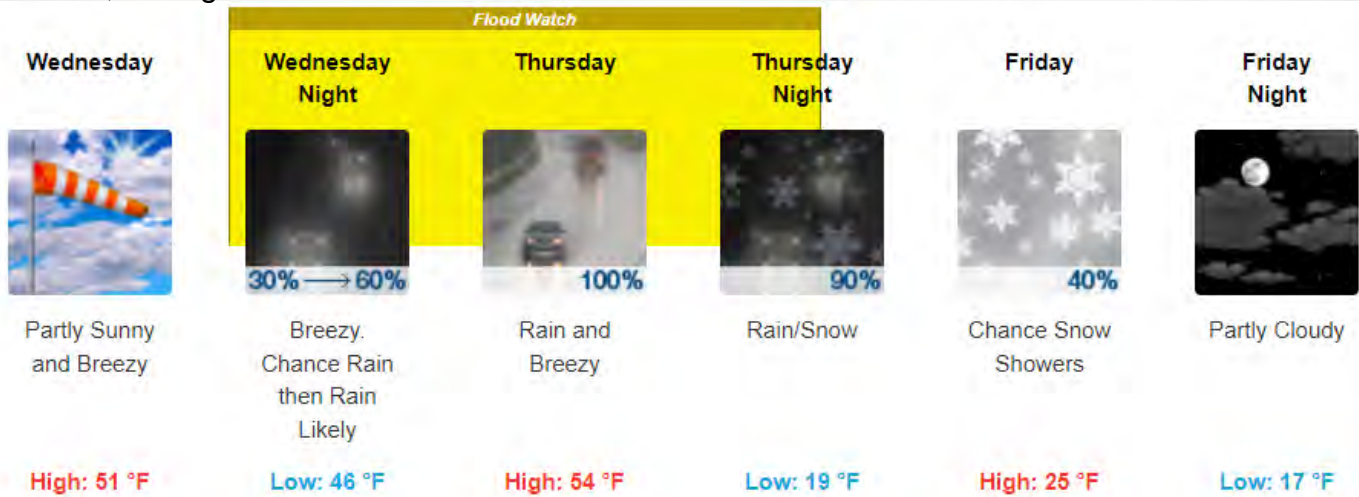


# NORTHEAST OHIO AGRI-CULTURE NEWSLETTER

Your Weekly Agriculture Update for  
Ashtabula, Portage and Trumbull Counties

February 15, 2022



*Warmer Temps and Rain are in our Forecast This Week*

## In This Issue:

- Wet Times and Challenges Ahead
- Hemp Hampered No More with Research Showing Potential as Cash Crop
- USDA Fertilizer Analysis: 2011 – 2021
- Join us for February's Farm Office Live
- USDA Report: Small Family Farms Produce Majority of Poultry and Eggs, and Hay
- Northeast Ohio Agronomy Breakfast Weekly Webinar Series - Starting Feb 23
- EXTENSION TALK: Grain Bin and Dryer Fire Safety and Prevention Webinar Announced
- Upcoming Extension Programs

## ***Hello Northeast Ohio Counties!***

I hope everyone had a great Valentine's Day and Superbowl Sunday!

Over the next two days we are likely to see temperatures in the 50s! All the melting snow coupled with some rain could be the recipe for some flooding around the area! We will just get a brief taste of warm weather before its back to business as usual for February in Ohio.

If you have not done so already, sign up for next Wednesday's webinar: Grain Bin and Dryer Fire Safety and Prevention. More info is in today's newsletter, or you can visit <https://go.osu.edu/NEOAB>

Stay safe and have a good week!

Lee Beers  
Trumbull County  
Extension Educator

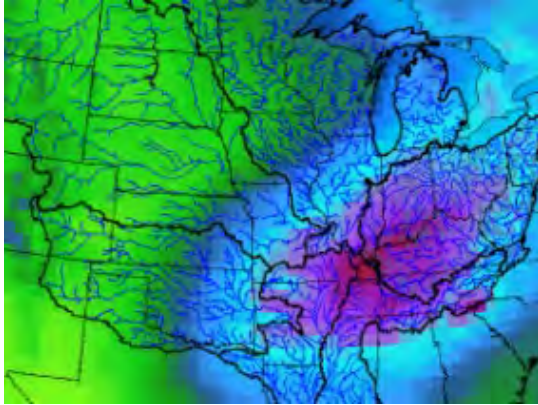
Andrew Holden  
Ashtabula County  
Extension Educator

Angie Arnold  
Portage County  
Extension Educator

## ***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.

Keep in tune with OSU's Aaron Wilson on updates in the coming week.

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# **Hemp Hampered No More with Research Showing Potential as Cash Crop**

By: Kaine Korzekwa

Source: <https://www.agronomy.org/news/science-news/hemp-hampered-no-more-research-showing-potential-cash-crop>

After decades of being relegated and regulated, research on industrial hemp as a valuable crop is far behind. That's because the United States banned the use of hemp in the 1930s. The result was all research about this crop stopped, too. Now that the Farm Bill allows for the growing and use of industrial hemp, researchers have a decades-long gap in knowledge.

At the forefront of those trying to enter back into the hemp market - seed companies and potential growers – is seed quality after harvest.

This is where Sabry Elias, professor of crop and soil science at Oregon State University, and his team come in. Elias recently [presented his work](#) at the 2021 ASA-CSSA-SSSA annual meeting, held in Salt Lake City.



*Figure 1 One of the viability tests used by the researchers was the tetrazolium test. It differentiates live from dead seeds based on color reaction to the activity of respiration enzymes in seeds. Photo adapted by Sabry Elias from an original by Yeaching Wu.*

“One of the challenges in growing industrial hemp is that the plants have an indeterminate flowering pattern,” Elias explains. “This results in seeds with different maturity levels and ages on the same plant at the time of harvest.”

This poses a series of questions that Elias and his team investigate. What is the difference in quality between a seed higher on the plant versus one lower on the plant? How can they test for these quality differences? After harvest, do seeds go dormant? If they do go dormant, for how long and how can dormancy be broken?

There are two fundamentals that impact seed quality that the researchers investigated: viability and vigor. Viability is the capability of seeds to germinate and produce normal seedlings. Vigor is the ability of seeds to germinate and grow under a wide range of field conditions. Elias explains that these qualities are controlled by genetic and environmental factors.



*Figure 2 This illustration lists the many uses of hemp in food, pharmaceuticals, and industrial products. The industrial hemp industry was shut down in the 1930s due to prohibition and confusion with its cousin, marijuana. The 2014 Farm Bill allowed for the reintroduction of this valuable crop to the United States. Figure adapted by Sabry Elias from an original by Aaron Cadena.*

“Improved varieties possess good traits such as high yield, seed quality, and disease resistance,” he says. “Seeds that develop and mature under optimum conditions resulted in quality seeds. On the other hand, seeds developed under moisture stress, nutrient deficiency, extreme temperatures, etc. often result in light, shriveled seed or collectively called poor quality seeds.”

The researchers performed four different tests on two varieties of hemp seeds. Two measured seed viability by trying to tell the difference between live and dead seeds. Two others measured seed vigor by looking at how fast they germinated and how well they grew under stress conditions.

“Two seed lots can have the same viability percentage (e.g., 85%), but one of them can be more vigorous than the other,” Elias explains. “It is like both a 90-year-old and 25-year-old are alive, but the person who is 25 is (usually) healthier than the one who is 90 years old.”

One viability test used biochemical reactions and subsequent color changes of seeds to measure if a seed is viable. The other measured the capacity of seeds to germinate and produce normal seedlings. One of the vigor tests germinated the seeds to test how quickly they do so. The second placed the seeds in high-stress conditions and then germinated them.

Their findings showed that all four of these tests were useful in measuring the quality of hemp seeds. The team's experiments also showed that harvesting the seeds lower on the hemp plant seven to eight days later than those higher on the plant improved the overall quality of the seeds.

"This makes the whole plant, upper and lower parts, available for harvest," Elias says. "It increases the yield by one-third because the current practice of some hemp farming systems is to harvest only the upper two-thirds of the plants to avoid the underdeveloped seeds from the lower part."

Lastly, the scientists looked at the dormancy of the seeds. Elias explains that dormant seeds are viable seeds but will not germinate even under favorable conditions, until dormancy is broken. Seeds are most dormant right after harvesting.

Dormancy slowly disappears over time or with treatments such as pre-chilling, dry heat, or hormonal treatments. Their research showed that a pre-chilling treatment at 10 degrees Celsius for five days was able to break dormancy.

"I believe that hemp has great potential as a cash crop for growers in the United States and around the world because of its multiple uses in food, pharmaceuticals, and industrial products," Elias says. "In addition, I have passion for the areas of seed physiology, quality, and dormancy, particularly because research in hemp had been put off for decades."



*Figure 3 A close-up of a hemp seedling. Research at Oregon State University is looking at the viability and vigor of industrial hemp seeds in the growing industry. Photo courtesy of Sabry Elias.*

## **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/>

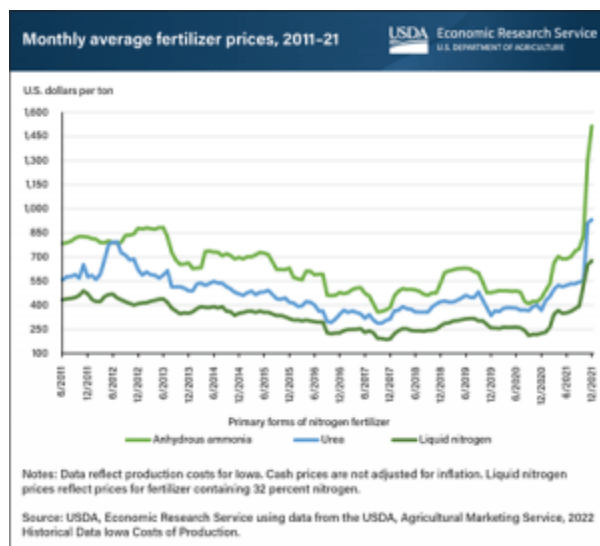
The United States Department of Agriculture Economic Research Service (USDA ERS) recently published monthly prices of nitrogen fertilizer from the period 2011-2021. The analysis includes three primary forms of nitrogen: anhydrous ammonia, urea, and liquid nitrogen.

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

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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.

## ***Join us for February's Farm Office Live***

By: Jeffrey K. Lewis

Source: <https://farmoffice.osu.edu/blog/sat-02122022-430pm/join-us-februarys-farm-office-live>

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>.

## ***USDA Report: Small Family Farms Produce Majority of Poultry and Eggs, and Hay***

By: Chris Zoller, Extension Educator, ANR in Tuscarawas County & Tony Nye, Extension Educator, ANR in Clinton County

Source: <https://u.osu.edu/ohioagmanager/2022/02/13/usda-report-small-family-farms-produce-majority-of-poultry-and-eggs-and-hay/>

The United States Department of Agriculture Economic Research Service (USDA ERS), in their December 2021 *Charts of Note*, examined the value of production of

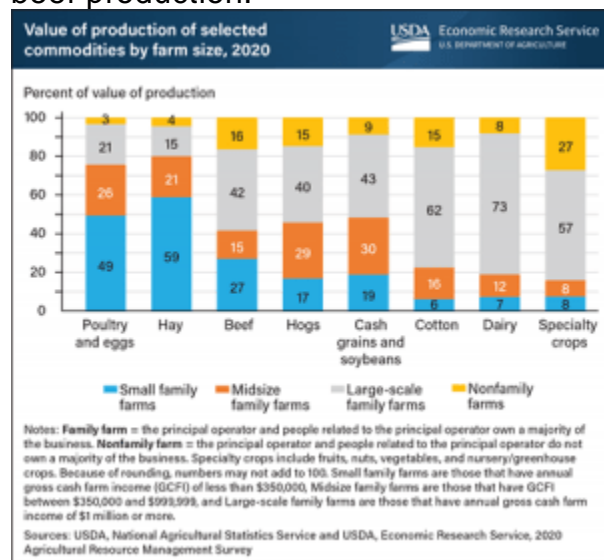
seven commodities. The purpose of the analysis was to determine the percentage of each by type (family and non-family farms) and size of operation.

The USDA ERS defines family farms as those where the principal operator and those associated with the principal operator own most of the business. USDA ERS defines nonfamily farms as those where the principal operator and those related to the principal operator do not own a majority of the business.

USDA ERS classifies family farms by size, according to gross cash farm income (GCFI):

- Small family farms – GCFI less than \$350,000
- Midsize family farms – between \$350,000 and \$999,999 in GCFI
- Large-scale family farms – \$1 million or more in GCFI

The table below summarizes the value of production by type and size of operation. Small family farms produced the majority of hay (59%) and poultry and eggs (49%) in 2020. Small family farms also accounted for just over one-quarter of beef production.



Ohio State University Extension works with Small Farm Producers throughout Ohio. Since 2005, Ohio State has been addressing producer needs for small farm production. Our two main efforts include an eight-week Small Farm College course and the Small Farm Conference.

### The Mission of OSU Extension Small Farm Programs:

To provide a greater understanding of production practices, economics of land use choices, assessment of personal and natural resources, marketing alternatives, and the identification of sources of assistance for new and small farms in Ohio.

### **Small Farm Program Objectives:**

- To improve the economic development of small farms in Ohio.
- To help small farm landowners and families diversify their opportunities into successful new enterprises and new markets.
- To improve agricultural literacy among small farm landowners not actively involved in agricultural production.

### **Small Farm Conference**

‘Sowing Seeds for Success’ – the 2022 Small Farm Conference is scheduled for March 12<sup>th</sup> 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.

This conference is for small farm owners who want to learn more about how to make their farms work better for them or expand their operations. This conference is also useful for those new to agriculture who are looking for ways to utilize acreage. Landowners can attend workshops and presentations on these topics:

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

This conference is designed to help participants learn tips and techniques for diversifying their opportunities into successful new enterprises and markets. Combined with a trade show, participants learn new ways to improve economic growth and development on their farms.

Cost is \$75.00 per person. Please visit: <https://morrow.osu.edu/program-areas/agriculture-and-natural-resources/small-farm-conference> for conference and registration details or call OSU Extension Morrow County 419-947-1070.

### **The New and Small Farm College**

The New and Small Farm College is a seven-week program that introduces new and seasoned farmers to a wide variety of topics. The program teaches participants how to set goals, plan, budget, how to manage financial and farm records, and where to find resources if they choose to start a small farming operation. Other subjects include legal issues, farm insurance and marketing.

Coming in August 2022, this program will be available. Watch this website for updates on times and locations: <https://u.osu.edu/gofarmohio/programs/new-and-small-farm-college/>

The cost to attend is \$125 and includes a resource binder, meals, all programs including Farm Science Review admission, and a soil test. Additional family members can register for \$100 per person (excludes binder).

## **NORTHEAST OHIO AGRONOMY BREAKFAST WEEKLY WEBINAR SERIES - STARTING FEB 23**

The Ohio State Extension Offices of Northeast Ohio is excited to offer The Northeast Ohio Agronomy Breakfast - Weekly Webinar Series. Start the morning off right with a quick one-hour presentation each Wednesday starting on February 23, 2022. Each webinar will cover a different topic and offer time to ask questions to the speakers. **There is no cost to attend**, and everyone is welcome to join. You can register easily online at Register at: <https://u.osu.edu/neoab/> For any question or for help with registration or zoom, contact Andrew Holden at the Ashtabula County Extension Office at 440-576-9008.

This series will feature a variety of experts on a variety of important agronomic topics, including grain bin fires and safety, farm drainage, corn leaf diseases, soybean disease, and 2022 weather outlooks!

### **Schedule:**

- ☐ February 23<sup>rd</sup>, **9:00 AM** – Peter Dahl speaking on Grain Bin And Dryer Fires
- ☐ March 2<sup>nd</sup>, 8:00 AM – Jason Hartschuh speaking on Corn Leaf Disease and Tire Pressure
- ☐ March 8<sup>th</sup>-9<sup>th</sup>, 8:30-4:30 AM -Conservation Tillage and Technology Conference\*  
\*More information on this separate event can be found here: <https://www.allenswcd.com/cttc/>
- ☐ March 16<sup>th</sup>, 8:00 AM – Dr. Horacio Lopez-Nicora on Soybean Disease
- ☐ March 23<sup>rd</sup>, **8:30 AM** –Dr. Vinayak S. Shedekar on Farm Drainage
- ☐ March 30<sup>th</sup>, 8:00 AM – Dr. Aaron Wilson on 2022 Weather Outlook

Register at: <https://u.osu.edu/neoab/>

## **EXTENSION TALK: Grain Bin and Dryer Fire Safety and Prevention Webinar Announced**

By: Andrew Holden, Extension Educator, Agriculture & Natural Resources

Hello, Ashtabula County! We have seen a few days this week above freezing, but it will take more than that to melt all our snow we have accumulated. With all the freezing and thawing, there seems to be more ice around. Make sure that ice doesn't make you slip this week!

While we wait for spring, I wanted to share an upcoming webinar taking place later this month and remind producers of the upcoming FSA program deadline.

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## **Grain Bin and Dryer Fire Safety and Prevention with special guest speaker Peter Dahl - February 23rd, 2022 – 9:00 AM**

Join the Ohio State University Extension Offices of NE Ohio in learning more about grain bin fire safety and prevention with special guest Peter Dahl. This presentation will be held online via Zoom. The webinar will be February 23rd, 2022, starting at 9:00 AM. This online program is free to attend by registering at this link:

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



Peter Dahl is a Certified Fire Investigator (IAAI-CFI), Certified Fire and Explosion Investigator (NAFI-CFEI), and a Certified Fire Investigation Instructor (NAFI-CFII). He has more than 30 years of investigation experience, which is one of the foundations of the company. Peter Dahl has extensive experience in grain industry fires and explosions. He represents manufacturers and other commercial entities in both first-party plaintiffs and liability defense cases. He has also formed long-term professional relationships with different manufacturers as their representative in both insurance-related first-party plaintiff and product defense cases. To enrich his knowledge and understanding of the behaviors of both fires and explosions, Peter has also been involved in numerous large-scale test burns.

This program is the first installment of the NE Ohio Agronomy Breakfast Webinar Series. Signing up for this first webinar will also sign you up for the following programs. Future programs cover topics such as the 2022 weather outlook, corn and soybean disease, tire pressure, and farm drainage. For more info on the program, or how to sign up, please contact me, Andrew Holden, at 440-576-9008 or Holden.155@osu.edu.

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## **2022 ARC/PLC Election deadline – March 15**

The 2022 crop Year election/enrollment period is open, and the deadline is March 15, 2022. Producers can make or change elections and enroll for 2022 ARC or PLC. If no change is made the election reverts back to last year's election. Call the FSA Office in Orwell if you would like to discuss changing your selection or to see what you selected last year.

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Both ARC and PLC programs provide future protections against market fluctuations. Agriculture Risk Coverage-County or ARC-CO, protects producers from low county crop revenue (Market prices and county yield). Price Loss Coverage or PLC protects producers if the market year average price fall below a predetermined threshold (Market prices).

Both programs are in place to protect crop producers in the case of major disasters in the market and/or crop yield. So far the predictions for 2022 show that neither program will trigger payments. This is a good thing for producers, as that means yield and commodity prices will not be extremely low. If you have questions about these programs or what election to make for which crop this year, please contact me.

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***Andrew Holden is an Agriculture & Natural Resources Extension Educator for Ohio State University Extension. Andrew can be reached at 440-576-9008 or [Holden.155@osu.edu](mailto:Holden.155@osu.edu)***

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### **Upcoming Extension Programs**

The following programs have been scheduled for NE Ohio farmers. Check back each week as more programs are added to the calendar

#### **Private Pesticide/Fertilizer Applicator Training**

March 1, 2022 – Portage County

March 28, 2022 – Ashtabula County

#### **New Private Pesticide Applicator Training**

March 8, 2022 – Portage County

#### **Fertilizer Certification Training**

February 16, 2022 – Trumbull County Extension Office

#### **NE Ohio Agronomy Breakfast Webinar Series Register at <https://u.osu.edu/neoab/>**

February 23rd, 9:00 AM – Peter Dahl speaking on Grain Bin And Dryer Fires

March 2nd, 8:00 AM – Jason Hartschuh speaking on Corn Leaf Disease and Tire Pressure

March 16th, 8:00 AM – Dr. Horacio Lopez-Nicora on Soybean Disease

March 23rd, 8:30 AM –Dr. Vinayak S. Shedekar on Farm Drainage

March 30th, 8:00 AM – Dr. Aaron Wilson on 2022 Weather Outlook

March Into Pruning

March 5, 2022 – Hartford Orchards

Ohio Small Farm Conference

March 12, 2022 – OSU Mansfield Campus

Backyard Chickens

March 16, 2022 – Trumbull County Extension Office

Women in Ag Conference

March 25, 2022



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# GRAIN BIN & DRYER FIRE SAFETY & PREVENTION FEBRUARY 23<sup>rd</sup>, 2022 Special guest speaker Peter Dahl

*Photo: Dave McEachre*

Join the Ohio State University Extension Offices of NE Ohio in learning more about grain bin fire safety and prevention with special guest Peter Dahl. This online program is free to attend by registering at this link: <http://u.osu.edu/NEOAB>

Peter Dahl is a Certified Fire Investigator (IAAI-CFI), Certified Fire and Explosion Investigator (NAFI-CFEI), and a Certified Fire Investigation Instructor (NAFI-CFII). He has more than 30 years of investigation experience, which is one of the foundations of the company. Peter Dahl has extensive experience in grain industry fires and explosions. He represents manufacturers and other commercial entities in both first-party plaintiffs and liability defense cases. He has also formed long-term professional relationships with different manufacturers as their representative in both insurance-related first-party plaintiff and product defense cases. To enrich his knowledge and understanding of the behaviors of both fires and explosions, Peter has also been involved in numerous large-scale test burns.

This program is the first installment of the NE Ohio Agronomy Breakfast Webinar Series

**Location: Online via Zoom****Date: February 23<sup>rd</sup>, 2022****More Info: Contact Andrew Holden at 440-576-9008 or [Holden.155@osu.edu](mailto:Holden.155@osu.edu)****Cost: Free****Time: 9:00 AM**

## Register at: <http://u.osu.edu/NEOAB>

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AND ENVIRONMENTAL SCIENCES

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# Enrolling your Ohio farmland in General CRP

February 24, 2022

5:00 PM EST

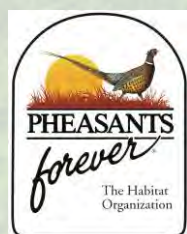
**Please join Pheasants Forever Farm Bill Biologist, Abby Prieur, for a virtual presentation on applying for General CRP and making applications competitive.**

This online event is for Ohio landowners and producers interested in using the Conservation Reserve Program (CRP) to set aside unproductive or sensitive cropland. Acres enrolled in the program are converted from cropland to permanent vegetative cover such as native grasses or pollinator habitat. Enrolled acres then earn an annual rental payment to help offset costs of no longer farming those acres.

Abby will discuss the purpose of CRP, eligibility requirements of the General sign-up, and financial incentives offered by the program. She will also discuss how applications are ranked and how landowners can increase their application's score to improve the chance of being selected for enrollment.

Please register for this free event on EventBrite. You can visit the website by clicking the link or scanning the QR code below. Registrants will be sent a link to join the online webinar in the days leading to the event. Questions can be directed to Abby Prieur at [aprieur@pheasantsforever.org](mailto:aprieur@pheasantsforever.org) or (330) 577-3804.

<https://www.eventbrite.com/e/enrolling-your-ohio-farmland-in-general-crp-tickets-266982691417>



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# ***March Into Pruning***

## ***Fruit Tree Pruning Clinic***

**Hartford Orchard**  
**6953 OH-305**  
**Hartford, OH 44424**

**March 5, 2022**  
**9:00A.M – 11:00A.M**  
**\$15/person**

Did you ever want to learn how to prune your apple, pear, or other fruit tree? Here's your chance! You even get to practice on someone else's tree! OSU Extension and Hartford Orchards LLC are teaming up to bring you a morning full of hands-on pruning experience on March 5, 2022. The morning will start with a quick overview of pruning basics before we head out to the orchard to get firsthand experience deciding what to prune, and when to stop cutting.

Dress for the weather, and bring your pruners, loppers, and saws! We will be getting our hands dirty, so bring gloves too! Cost for the class is \$15/person and includes refreshments, handouts, and the first 15 registrants get a free pair of hand pruners. Call 330-638-6783 for more information. You can register online at <https://go.osu.edu/pruning2022> or complete the bottom portion and return to the OSU Extension Office.



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**2022 PRUNE INTO MARCH REGISTRATION FORM**

**Complete the below information and send with payment to OSU Extension Trumbull County, 520 West Main Street, Cortland, OH 44410.**

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

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

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

Number Attending: \_\_\_\_\_ X \$15/person = \_\_\_\_\_ **Enclosed**

Please make checks payable to OSU Extension



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# Maple 101



**Beginners and experienced producers wishing to hone sugaring skills will learn everything from tree identification and sugar bush management to producing the finished product.**

**Cost \$20.00 per person**

Because of COVID Restrictions the class will be limited to **30 participants**. Will follow COVID regulations as per Lake Metro Park. Subject to change due to COVID Protocol.

To register, or if you have any questions, please call the Extension office at 440-834-4656. Mail your check payable to OSU Extension, P.O. Box 387, Burton, OH 44021.

**SATURDAY**

**March 5, 2022**

**8 AM – 11 AM**

**Pre-registration required by March 1**

**No walk-ins**

**Registration 7:30 AM – 8 AM**

**Sugar Bush Tour 8 AM – 9 AM**

**Maple 101 Classroom 9 AM – 11 AM**

**LOCATION:**

**Lake Metroparks Farmpark  
Welcome Center**

8800 Euclid Chardon Rd., Kirtland, OH 44094

Registration for Maple 101 March 5, 2022. Mail your check by March 1 payable to OSU Extension, P.O. Box 387, Burton, OH 44021.

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

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

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Phone: \_\_\_\_\_

Number Attending Maple 101 x \$20 per person = \$ \_\_\_\_\_

**GEAUGA COUNTY**  
geauga.osu.edu



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# Portage County

## New Pesticide Applicator Training

### March 8th, 2022

A Private Pesticide Applicator's License is required those who want to apply restricted-use pesticides on his/her own land (or rented land) and produce an agricultural commodity. ODA requires each private applicator to take & pass the CORE (safety) test and any category(ies) that correspond to the crops he/she produces. **This training will focus primarily on the CORE test.** There are 7 categories in which one may be certified via testing through ODA: 1-Grain and Cereal Crops, 2-Forage Crops and Livestock, 3-Fruit and Vegetable Crops, 4-Nursery and Forest Crops, 5-Greenhouse Crops, 6-Fumigation, and 7-Specialty Uses.

**The 3-Hour New Pesticide Applicator Training will cost \$35 per person.**

**Date:** March 8<sup>th</sup>, 2022

**Time:** 9:00 AM to 12:00 PM

**Location:** Portage Soil and Water, 6970 State Rt. 88 Ravenna, OH 44266

**Cost:** \$35 per person includes CORE training materials, handouts, and light refreshments. Category study materials can be purchased at an additional cost at each Extension Office.

**Register:** Mail a check made out to 'OSU Extension' call to reserve your spot. RSVP by March 1<sup>th</sup>

**For more information call:** 330) 296-6432 or email Angie Arnold  
arnold.1143@osu.edu

[Pested.osu.edu](https://pested.osu.edu)



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— We Sustain Life —

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CFAES

# ONLINE FRUIT PRUNING SCHOOL

*Apple Trees, Grapes, Raspberries*

**THREE-PART SERIES:** MARCH 1 and MARCH 8, 2022

Hosted by **Dr. Gary Gao**,

Professor and Extension Specialist

**Ryan Slaughter**, Research Assistant

Come join us for a three-part, online workshop to learn proper pruning techniques to improve production and quality in your apple, grape, and raspberry plantings. You will be online with Ohio State University South Centers experts, who will give live presentations with short pre-recorded videos. They will also answer your questions.

**Register for free by visiting:**

[go.osu.edu/pruningschool](https://go.osu.edu/pruningschool)

## Focusing on Apple Trees, Grapes, and Raspberries

- Training and pruning apple trees
- Training and pruning grapevines
- Pruning raspberry bushes
- Pruning demonstrations videos

## 2022 SCHEDULE

### PART 1 - Tuesday, MARCH 1

9:30-10:45 a.m. Apple Tree Training + Pruning

### PARTS 2+3 - Tuesday, MARCH 8

9:30-10:45 a.m. Grape Vine Training + Pruning

11 a.m.-12:15 p.m. Raspberry Bush Pruning

We will also have drawings for some locally-produced goodies. Must be present to win.

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**LOCATION:** ONLINE via Zoom

**COST:** FREE

**QUESTIONS:** Bradford Sherman  
[sherman.1473@osu.edu](mailto:sherman.1473@osu.edu)  
614-247-9680

**DEADLINE TO REGISTER:**  
Monday, February 28, 2022



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[SOUTHCENTERS.OSU.EDU](https://SOUTHCENTERS.OSU.EDU)

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**The deadline to enroll in Supplemental Dairy Margin Coverage (SDMC) and 2022 Dairy Margin Coverage (DMC) has been extended to March 25, 2022.**

For SDMC, provide a copy of 2019 milk marketings and complete CCC-800A.

2022 DMC enrollment can take place after completing SDMC, if eligible, in a single USDA Service Center appointment by:

- Certifying to commercially marketing milk on CCC-800A.
- Paying the \$100 administrative fee, unless waived.

Producers with DMC lock-in contracts eligible for SDMC must enroll by March 25, 2022 and also register for 2022.

Get **moo-ving**  
on your enrollment today!



If you have already enrolled in 2022 DMC, ignore this postcard notification!

Contact your local USDA Service Center at [farmers.gov/service-center-locator](https://farmers.gov/service-center-locator).

USDA is an equal opportunity provider, employer, and lender.

**Please contact us for more information:**

**Ashtabula/Geauga/Lake County Farm Service Agency**

(440) 437-6330 Ext. 2

33 Grand Valley Ave

Orwell, OH 44076

Jenna Pollard or Barbara Tolla at [Jenna.Pollard@usda.gov](mailto:Jenna.Pollard@usda.gov) or [Barbara.Tolla@usda.gov](mailto:Barbara.Tolla@usda.gov)

**Trumbull County Farm Service Agency**

(330) 637-2046 Ext. 2

520 W Main St Ste 2

Cortland, OH 44410

Leah Smith or Christine Wise at [Leah.Smith@usda.gov](mailto:Leah.Smith@usda.gov) or [Christine.Wise@usda.gov](mailto:Christine.Wise@usda.gov)

**Portage/Summit County Farm Service Agency**

(330) 297-7633 Ext. 2

6970 St Rt 88

Ravenna, OH 44266