

# NORTHEAST OHIO AGRI-CULTURE NEWSLETTER

Your Weekly Agriculture Update for  
Ashtabula, Portage and Trumbull Counties

February 14, 2023



*Happy Valentine's Day!*

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- Northeast Ohio Agronomy School Returns March 28, 2023
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## ***Hello Northeast Ohio Counties!***

Happy Valentines Day! We hope everyone is enjoying our unseasonably warm weather. If you are worried about your wheat crop in the warmer temperatures check out the second article.

Remember, registration is now open for our 2023 Northeast Ohio Agronomy School! You can register at [www.go.osu.edu/neoas23](http://www.go.osu.edu/neoas23) !

Have a great week!

**Lee Beers**  
Trumbull County  
Extension  
Educator

**Andrew Holden**  
Ashtabula  
County  
Extension  
Educator

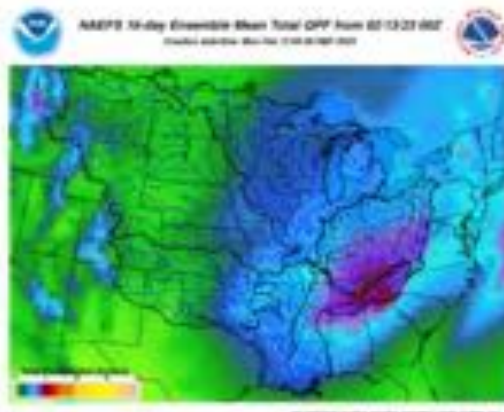
**Angie Arnold**  
Portage County  
Extension  
Educator

## ***Mild, Wet and Windy Next 30 Days***

By: Jim Noel

Source: <https://agcrops.osu.edu/newsletter/corn-newsletter/2023-04/mild-wet-and-windy-next-30-days>

The theme will be an active next 30-days with above normal temperatures (sometimes more than 20 degrees above normal) along with a series of progressive moderate to stronger weather systems. This will lead to a wet next 30-days with most areas getting 3-4 inches of rain and some places especially in the south possibly topping 6 inches. In the attached graphic, the rest of



February will be wet with rainfall ranging from 1.5 inches in northwest Ohio to nearly 4 inches in far southern Ohio. This also means the windy pattern will persist with several windy storms over the next month! As for snow, there could be some mostly minor snows especially in the north but the cold outbreaks will overall be shallow and not last long.

4 inch soil temperatures are mostly in the 30s currently but more 40s will be showing up in the next few weeks with the warmer than average conditions. Soil temperatures are running above normal as well for this time of the year. As soil temperatures approach 50 ahead of schedule in March greenup/vegetation growth is expected earlier than usual.

### **Spring Planting Season Outlook...**

La Nina is expected to end soon so a late freeze is not likely this spring. Soil temperatures and evapotranspiration will be above normal into spring but we expect the deviation from normal to not be as great in late March into April. However, the well above normal temperatures could resume again in May. The wet late winter and very early spring is likely to return quickly to normal rainfall as spring progresses. There is some risk of turning drier than normal at some point in spring. Overall, indications suggest a spring plant that is not delayed too much.

### **Summer Growing Season Outlook...**

Warmer than normal temperatures are expected with a great deal of uncertainty in the rainfall patterns at this time. This will be updated more in the next month or two.

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There is some risk to a period of dry weather this summer but that risk currently is not high.

#### Autumn Harvest Season Outlook...

The harvest season is currently forecast to be warmer than normal with no strong indications of rainfall patterns as can be seen at <https://www.cpc.ncep.noaa.gov>

Stay up to date on flood, drought and seasonal briefings at:  
<https://www.weather.gov/ohrfc/Briefings>

### ***‘Warm’ Winter Days...What This Means for Wheat***

By: Laura Lindsey

Source: <https://agcrops.osu.edu/newsletter/corn-newsletter/2023-04/'warm'-winter-days...what-means-wheat>

Across Ohio, the average air temperature was 8-10°F warmer in January and February (so far) (Table 1). Due to these warmer winter temperatures, wheat may appear greener than usual and also raises the question, “Will the vernalization requirement be met?”

Table 1. Average air temperature in Wood County, Wayne County, Clark County, and Pike County, Ohio in 2023 compared to the normal. (Data from the CFAES Weather System)

Location	Jan 1-Feb 12, 2023	Jan 1-Feb 12
	Ave Temp	Normal Ave Temp
Wood County	34°F	24°F
Wayne County	35°F	27°F
Clark County	36°F	27°F
Pike County	39°F	30°F

Winter wheat has molecular regulation preventing the transition to reproductive growth until a certain threshold of cold days has been reached. This regulation is called “vernalization.” In winter wheat, the vernalization period protects plants from

breaking dormancy too early. The vernalization requirement varies among wheat cultivars and is temperature and day length dependent. In a study conducted on one winter wheat cultivar, it took 40 days for plants to achieve vernalization at 52°F while it took 70 days for plants to achieve vernalization at 34°F (see Figure 1). Temperatures above 64°F were ineffective for vernalization. Although winter wheat is green and the winter temperatures have been above average, the vernalization requirement will be met.

Once the vernalization requirement has been met, growth is driven by growing degree units. At this point, exposure to freezing temperatures can be a concern. However, in our research, even at Feekes 6 growth stage (first node visible & above the soil surface; usually mid to late April), winter wheat yield was not reduced until temperatures reached 14°F for 15 minutes. As the winter continues into spring, we will address this issue in future newsletter articles as needed.

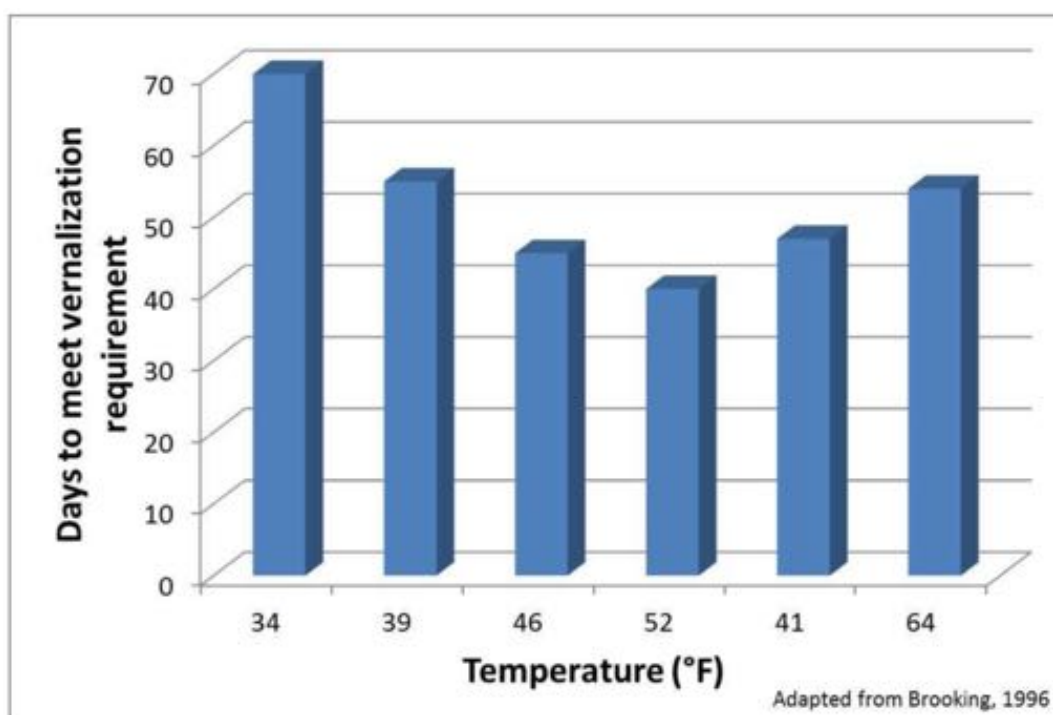


Figure 1. Number of days to meet vernalization requirement of winter wheat.  
(Figure adapted from Brooking, 1996)

#### References:

Alt, D.S., Lindsey, A.J., Sulc, R.M., & Lindsey, L.E. (2020). Effect of temperature on survival and yield components of field-acclimated soft red winter wheat. *Crop Science*, doi: 10.1002/csc2.20087

Brooking, I.R. (1996). Temperature response of vernalization in wheat: a developmental analysis. *Annals of Botany*, 78, 507-512.

## **Controlling Slugs and Voles in Cover Crops**

By: Paige Garrabrant, Rachel Cochran, CCA

Source: <https://agcrops.osu.edu/newsletter/corn-newsletter/2023-04/controlling-slugs-and-voles-cover-crops>

Last week, OSU Extension's Water Quality Team launched their annual webinar series with a two-part webinar on cover crops. The team works closely with producers throughout the Western Lake Erie Basin to implement practices that not only improve growers' operational efficiencies and profitability, but also to promote soil health and reduce nutrient and sediment loss. Several producers that the team works with have requested more education specifically on cover crops.

The webinar last week focused on cover crops with a handful of different speakers. Tim Reinbott, Director of Field Operations at the University of Missouri's Agricultural Research Stations, provided listeners with some insight and advice on controlling slugs and voles, which are common in no-till and reduced-till situations. His goal is to help growers control pests while maintaining progress they have made toward conservation. It is no surprise that the benefits of reduced tillage cannot outweigh the loss of crops that results from a devastating slug or vole infestation.

Slugs prefer cool, wet environments and require a high protein diet (aka germinating crop seeds). Typically, we see the most slug damage to soybean crops because their growing point is above ground and therefore accessible to slug feeding. Unfortunately, in soybean crops, slug damage is typically widespread before the grower realizes they're there. Tim provided us with some easily implemented cultural control methods. He suggested planting seeds deeper, at around 2 inches. He warned growers to be cautious with insecticide use, as these applications can destroy communities of beneficial insects. He also advised growers to plant green and terminate cover crops later in the spring. Lastly, when selecting cover crop seed, select a mix conducive to your goals: for example, erosion control or nutrient scavenging ability. Tim also mentioned that slugs tend to avoid radish, so utilizing a cover crop mix that contains this species could be of benefit.

Voles are another pest that farmers continue to struggle with. When present, damage caused by these varmints is prolific and devastating. Like other rodents, these mammals breed rapidly, with some females bearing up to 40 young per year. Voles prefer to bed under cover; typically living in grassed waterways or



buffer strips where cover is thick and dense. Therefore, one control option is mowing or burning the waterways. However, this can be disruptive to our goals of introducing beneficial organisms such as pollinators into our ecosystem. Therefore, it is suggested you burn or mow down the waterways in early spring to disrupt whatever has grown there. Planting green and planting crop seeds deeper can also lessen the impact of voles. Because this is also a method of controlling slug damage, these practices are highly recommended. Cover crop variety is also important. Voles will favor grasses such as cereal rye and legumes such as clover, hairy vetch and alfalfa. Alternatively, they do not like canola. The last control method is to rely on natural enemies such as coyotes and hawks.

Tim shared a study conducted by Mellisa Stefun, Graduate Student, Soil and Watershed Sciences at the University of Maryland, in 2021 on planting green. The study showed soybean stand in late-terminated cover crops as much more successful than those terminated earlier. Moreover, the study showed the least slug damage to soybean crops that had covers terminated late than those terminated early.

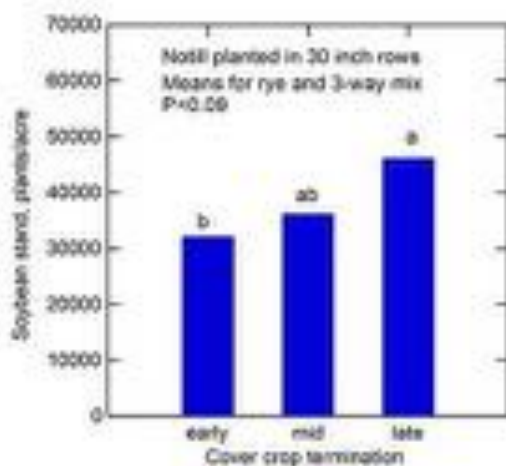


Figure 6. Soybean stand density based on two 10-ft sections of row on 03 June were significantly better in the plots where the soybeans were “planted green” and the cover crops were killed on the latest date (13 May) than in the earliest killed cover crop plots.

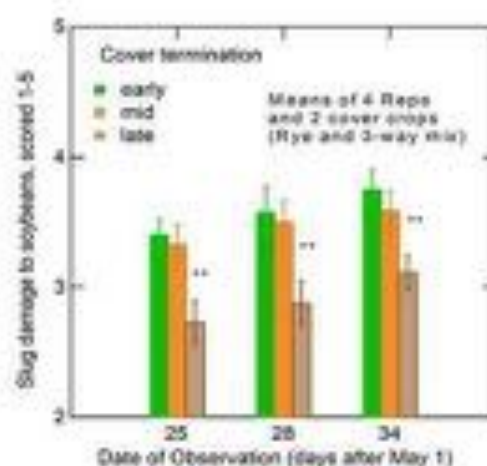


Figure 7. The plots where the cover crops had been killed the latest (sprayed on 13 May, a week after soybean planting) had lower damage to soybeans than the plot with early and mid-killed cover crops.

If you missed the webinar on January 25<sup>th</sup> you can view the recording on the OSU Agronomy YouTube page, on the “Water Quality” playlist. Also, the team is overing part two of the series highlighting cover crops on February 22<sup>nd</sup> from 10am-11:30am. To sign up for this webinar, visit [www.go.osu.edu/WQW](http://www.go.osu.edu/WQW). Lastly, if you are

interested in learning more about the OSU Extension Water Quality team, you can visit their website at [waterqualityextension.osu.edu](http://waterqualityextension.osu.edu).

## ***Carbon Credit Market Assistance Program Now in the Hands of USDA***

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

Source: <https://farmoffice.osu.edu/blog/tue-02072023-1244pm/carbon-credit-market-assistance-program-now-hands-usda>

Sometimes a legislative proposal stalls, appears dead, then emerges in another piece of legislation in a slightly different form. That's exactly what happened with the Growing Climate Solutions Act and its plan to help farmers with carbon and environmental credit markets. First introduced in 2020, the bill gained some momentum and passed the U.S. Senate before coming to a standstill in the House. But Congress added the bill, with some negotiated changes, into the Consolidated Appropriations Act it passed in the final days of 2022. The USDA is now charged with implementing its provisions.

### **Purpose of the bill**

The bill aims to reduce barriers for farmers, ranchers, and foresters who want to enter into voluntary markets that establish environmental credits for greenhouse gas emission reductions resulting from agricultural or forestry practices (also known as carbon credits). It allows the USDA to create the "Greenhouse Gas Technical Assistance Provider and Third-Party Verifier Program" if it appears, after an initial assessment, that the program would accomplish these purposes for farmers, ranchers, and private forest landowners:

- Facilitate participation in environmental credit markets
- Ensure fair distribution of revenues
- Increase access to resources and information on environmental credit markets

### **Advisory Council**

If the USDA determines that the program would meet the above purposes, it must establish an Advisory Council to help guide the program. At least 51% of the Advisory Council must be farmers, ranchers, and private forest landowners, including beginning, socially disadvantaged, limited resource, and veteran members. Other members on the Advisory Council would include representatives from agencies, the agricultural and forestry industries, the scientific research

community, non-governmental organizations, and professionals and private sector entities involved in credit markets.

### **Protocols**

A primary concern with the environmental credit market is uncertainty and variations in how to establish, quantify, and value environmental credits. An important component of the new program is for USDA to publish lists of widely accepted protocols that are designed to ensure consistency, reliability, effectiveness, efficiency, and transparency of the markets along with documents relating to the protocols. The act directs the USDA to include protocol documents and details on calculations; sampling methodologies; accounting principles; systems for verification, monitoring, measurement, and reporting; and methods to account for issues such as additionality, permanence, leakage, and double counting of credits.

### **Vendor registry**

Another concern for landowners who want to participate in environmental credit markets is knowing who to turn to for technical assistance. To address this issue, the program would require the USDA to create a registry of third-party vendors of environmental credits who can help farmers, ranchers, and forest landowners measure the carbon reduction benefits of different types of practices. Unlike an earlier version of the bill, the USDA would not establish a certification program for these vendors, although the agency must ensure that the vendors possess demonstrated expertise in practices that prevent, reduce, or mitigate greenhouse gas emissions.

### **Assessments**

The USDA, in concert with the Advisory Council, must submit an initial and ongoing assessments to the agricultural committees in the Senate and House. The initial assessment must examine ways to ensure certainty for farmers, ranchers and forest landowners in the marketplace. Ongoing assessments would examine the environmental credit market itself, including actors in the market, participation, credits generated and sold, barriers to entry, opportunities for other voluntary markets, and more.

### **Program funding**

The act provides an appropriation of at least \$1 million per year to fund the program through 2027 and another \$4.1 million of potential unobligated American Rescue Plan Act funds. It specifically prohibits the USDA from using funds from the Commodity Credit Corporation for the program, a demand of the House



Agriculture Committee Chairman Glenn Thompson, who states that those funds are obligated for Farm Bill program payments.

### **What's next?**

Farm Bill negotiations this year and other climate initiatives recently undertaken by the Biden administration, such as the USDA's Partnerships for Climate-Smart Commodities, could reduce the focus the Growing Climate Solutions Act would have received if it had passed when first introduced back in 2020. Even so, the timeclock has started for the USDA to make its initial determination of whether the program would meet the intended purposes. Secretary Vilsack must make that determination by late September, and the expectation is that the program will proceed. We should then see the Advisory Council established by fall and can expect program outputs such as protocols and the third-party registry as early as 2024.

Read the provisions of the new law beginning on page 1,512 of the Consolidated Appropriations Act of 2023, [H.R. 2617](#).

## ***Moore to present Estate Planning Challenges for Farm Families this Wednesday***

By: Peggy Kirk Hall

Source: <https://farmoffice.osu.edu/blog/mon-02132023-304pm/moore-present-estate-planning-challenges-farm-families-wednesday>

After many years in private law practice, OSU's Robert Moore knows the unique estate planning challenges farm families face. The capital-intensive nature of farming and the family legacy associated with it are just two of the many issues that contribute to those challenges. But Moore also knows there are legal strategies that can help farm families meet their estate planning needs.

Join Moore as he reviews both the challenges of farm family estate planning and ways to address those challenges in a webinar this Wednesday at Noon. The webinar offers a chance to learn more about topics such as dealing with on-farm and off-farm heirs, distribution plan ideas, and how trusts can benefit a farm estate plan. The National Agricultural Law Center will host the webinar as part of its free monthly webinar series. Registration is necessary and is available online at <https://nationalaglawcenter.org/webinars/estate-planning/>.

The webinar represents an ongoing partnership between OSU's Agricultural & Resource Law Program and the National Agricultural Law Center. For eight years, the two institutions have worked together to bring agricultural law research and

information to the nation's agricultural community with support from the USDA's National Agricultural Library. Our agricultural law library on [farmoffice.osu.edu](http://farmoffice.osu.edu) contains many resources developed through this partnership, including recent publications on Planning for the Future of Your Farm, Keeping Farmland in the Family, and Long-Term Care and the Farm. Those and a multitude of other agricultural law resources are also available on the National Agricultural Law Center's website at [nationalaglawcenter.org](http://nationalaglawcenter.org).

If you're not available to attend the webinar this Wednesday, find a recording of it and all other webinars in the monthly series at <https://nationalaglawcenter.org/webinars>.

## ***Northeast Ohio Agronomy School Returns March 28th, 2023***

Source: [www.go.osu.edu/neoas23](http://www.go.osu.edu/neoas23)

OSU Extension will be hosting the Northeast Ohio Agronomy School again in 2023 on March 28<sup>th</sup>!

Join us from 9:00 a.m.– 2:30 p.m. at the Colebrook Community Center in Colebrook, OH for a full day of agronomic programming. Cost for the program is \$15/person and includes snacks, lunch, and handouts. We will also have Agronomy Guides, Field Guides, and Weed Control Guides available for purchase. Pesticide and CCA credits will be available for those in attendance. To register for this event, please visit the website: [www.go.osu.edu/neoas23](http://www.go.osu.edu/neoas23) Online registration is preferred, but checks can be mailed to 39 Wall Street Jefferson, OH 44047 with name and phone numbers of attendees. For more information about the event please call 440-576-9008. The registration deadline for this event is March 23.

A wide variety of topics will be discussed throughout the day including Soybeans Disease Update, Weather/Climate Update, Farm & Roadway Safety, Precision Ag, and Energy Outlook. Speakers for this year's event include Dr. Dee Jepsen, Dr. Horacio Lopez-Nicora, Brent Sohngen, Dr. Aaron Wilson, and Alan Leininger.

This workshop is brought to you by the OSU Extension offices in Ashtabula, Trumbull & Geauga Counties with support from W.I. Miller & Sons, Centerra Co-op, Schwartz Farms, and Ohio Corn & Wheat! Thank you to all our sponsors for making this event possible!

## ***Upcoming Extension Events***

### Pesticide and Fertilizer Applicator Trainings

March 1 – 1PM to 5PM – Portage Soil and Water

March 21 – 1PM to 5PM – Ashtabula County Extension Office

March 30 – 5PM to 9PM – Online ZOOM

### New Applicator Pesticide Training

Monday, February 13, 2023 – 1:00 PM to 4:00 PM - Geauga County Extension Office

### Trumbull Farmer's Learning Series – Weather, Climate, and Agriculture

February 14 – 9AM to 10AM – Online ZOOM

### Ohio Fertilizer Applicator Certification

February 22 – 6PM to 9PM – Trumbull County Extension Office

### March Into Pruning

March 4 – 9AM to 11AM – Hartford Orchards LLC, Trumbull County

### Small Farm Conference

March 11 – 9AM to 3PM – OSU Mansfield Campus

### **\*2023 Northeast Ohio Agronomy School\***


March 28 – 9AM to 3PM – Colebrook Community Center, Ashtabula County

### Cow-Calf School

April 14 – 3PM to 7PM – Novak Townline Farm, Trumbull County

### Chainsaw Safety and Maintenance

April 22 – 9AM to 12PM – Trumbull County Extension Office

 <b>THE OHIO STATE UNIVERSITY</b> COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES		
<b>Lee Beers</b> Trumbull County Extension 520 West Main Street Cortland, OH 44410 330-638-6783 beers.66@osu.edu trumbull.osu.edu	<b>Andrew Holden</b> Ashtabula County Extension 39 Wall Street Jefferson, OH 44047 440-576-9008 holden.155@osu.edu ashtabula.osu.edu	<b>Angie Arnold</b> Portage County Extension 705 Oakwood St., Suite 103 Ravenna, OH 44266 330-296-6432 arnold.1143@osu.edu portage.osu.edu
<small>CFAES provides research and related educational programs to clientele on a nondiscriminatory basis. For more information: <a href="http://os.ohio.edu/cfaesdiversity">http://os.ohio.edu/cfaesdiversity</a>.</small>		

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# Fertilizer Applicator Certification Training

**FEBRUARY 22, 2023    6 – 9 P.M.**

Do you apply fertilizer to 50 acres or more for crops that are primarily for sale? If so, you are required by Ohio law to attend a training session or take a test to become certified. OSU Extension Trumbull County is offering a training session (no test) that will meet all certification requirements. **Pre-Registration is required a week in advance.** Cost for this training session is \$35/person and includes training materials, and handouts. To register online with a credit or debit card please visit <https://go.osu.edu/2023trumbullfact>. You can also register by completing the back portion of this flyer and mail with check to the address below. Please make checks payable to Ohio State University Extension.

**Location:** OSU Extension Trumbull County, 520 West Main St, Cortland, OH 44410

**Cost:** \$35/person

**Contact information:** 330-638-6783 or [beers.66@osu.edu](mailto:beers.66@osu.edu)



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[trumbull.osu.edu](https://trumbull.osu.edu)

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# 2023 Fertilizer Applicator Training Trumbull County

Name \_\_\_\_\_

Address \_\_\_\_\_

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

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

Number of People Attending: \_\_\_\_\_ X \$35/person \_\_\_\_\_

\_\_\_\_\_

Please make checks payable to: **Ohio State University Extension**

Mail form and payment to: OSU Extension Trumbull County,  
520 West Main Street, Suite 1, Cortland, OH 44410

For questions, contact Lee Beers at 330-638-6783 or by email at  
beers.66@osu.edu





**CFAES**

# 2023 Northeast Ohio Private Pesticide Applicator Re-Certification & Fertilizer Application Re-Certification Sessions

## Private Pesticide Applicator Re-certification:

Does your Private Pesticide Applicator's License expire on March 31, 2023? If so, OSU Extension in Northeast Ohio has planned four pesticide re-certification sessions for producers. Each of these sessions will offer 3 credits for pesticide re-certification for CORE and All Categories (1-7). Private Pesticide Applicators are encouraged to choose the session which best fits their schedule.

**Cost: \$35/Person**

## Fertilizer Applicator Re-Certification:

Does your Private or Commercial Fertilizer Applicators Certification expire soon? A one-hour session will be held after the pesticide session for those who need to renew their Fertilizer Application Certification.

**Cost: \$10/Person**

## 2023 Re-certification Programs:

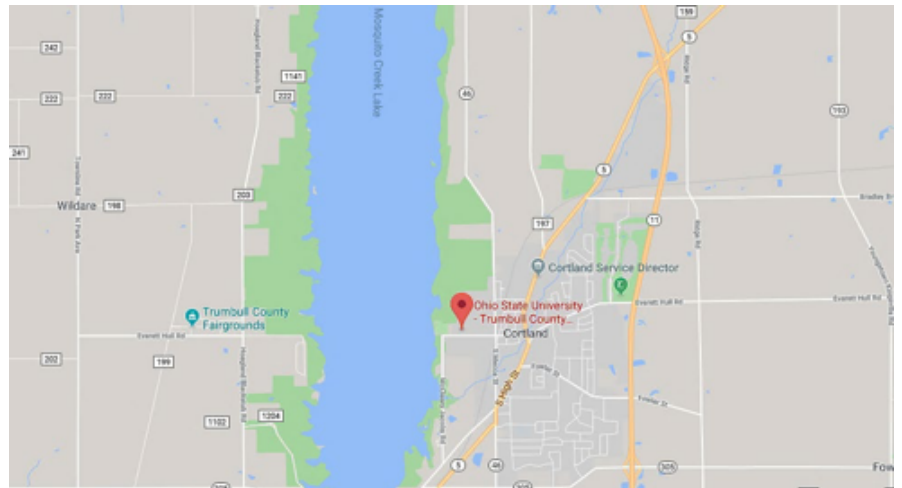
- **Online via Zoom, Monday, January 9, 2023, 5:00 PM to 9:00 PM**
  - Register Online at: [Go.osu.edu/zoompat23](https://go.osu.edu/zoompat23)
- **Trumbull Co. Extension Office in Cortland, Ohio - Tuesday, January 24, 2023, 5:00 PM – 9:00 PM**
  - Pesticide starts a 5:00 PM, Fertilizer starts at 8:00 PM
  - For more information call: 330-638-6783
- **Geauga Co. Extension Office in Burton, Ohio - Wednesday, February 1, 2023, 1:00 PM – 5:00 PM**
  - Pesticide starts a 1:00 PM, Fertilizer starts at 4:00 PM
  - For more information call: 440-834-4656
- **Portage County Soil & Water Office in Ravenna - Wednesday, March 1, 2023, 1:00 PM – 5:00 PM**
  - Pesticide starts at 1:00 PM, Fertilizer starts at 4:00 PM
  - For more information call: 330-296-6432
- **Ashtabula Co. Extension Office in Jefferson, Ohio - Tuesday, March 21, 2023, 1:00 PM – 5:00 PM**
  - Pesticide starts a 1:00 PM, Fertilizer starts at 4:00 PM
  - For more information call: 440-576-9008
- **Online via Zoom, Thursday, March 30, 2023, 5:00 PM to 9:00 PM**
  - Register Online at: [Go.osu.edu/zoompat23](https://go.osu.edu/zoompat23)

- ❖ **To register for an in-person session, make check payable to OSU Extension and mail to:**  
Geauga County OSU Extension, 14269 Claridon-Troy Road, Burton, Ohio 44021
- ❖ **To register for an online (Zoom) session, please visit** [\*\*Go.osu.edu/zoompat23\*\*](https://go.osu.edu/zoompat23)



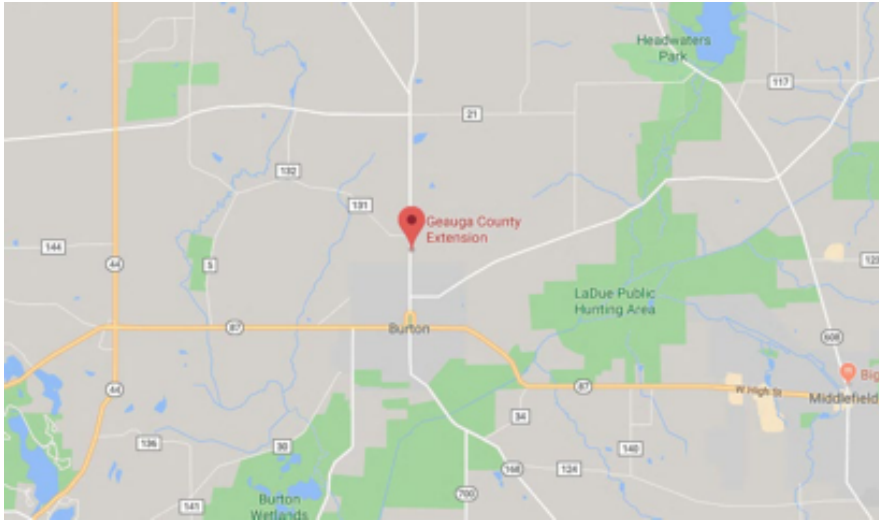
**Trumbull County**  
**January 24, 2023**

Trumbull County  
Extension Office  
520 West Main Street,  
Cortland, Ohio 44410  
330-638-6783



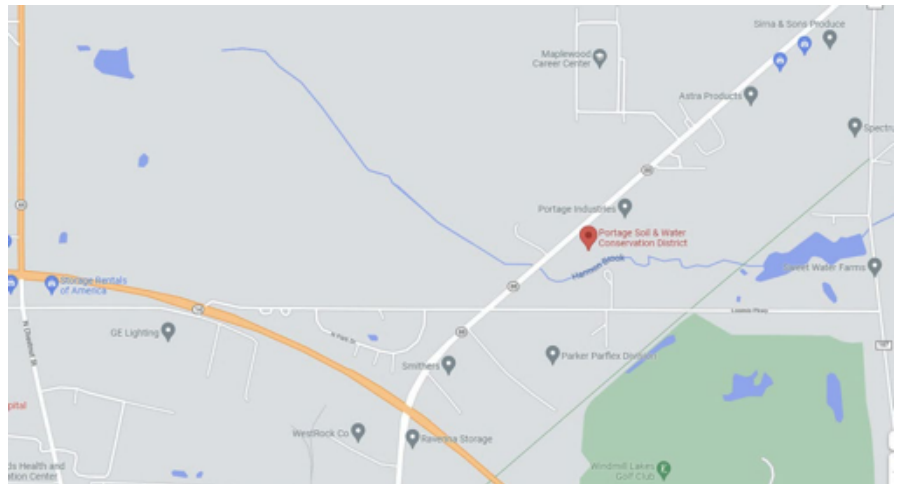
**Geauga County**  
**February 1, 2023**

Geauga County  
Extension Office  
14269 Claridon-Troy Road,  
Burton, Ohio 44021  
440-834-4656



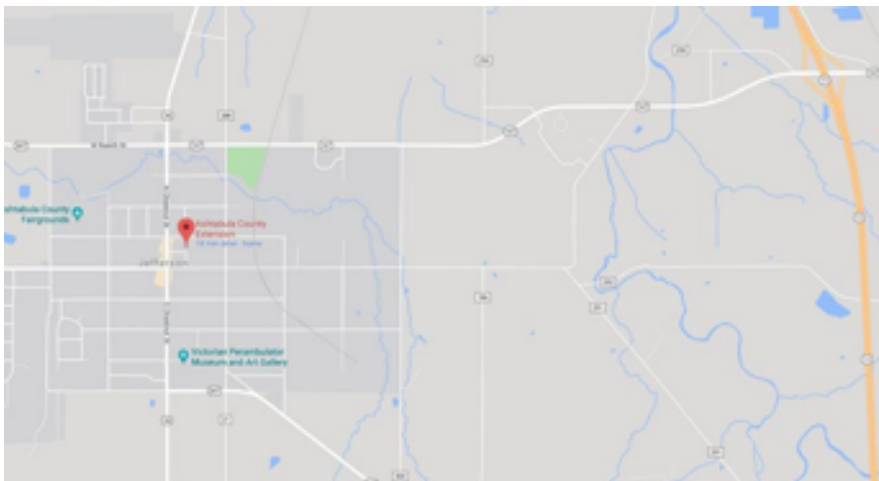
**Portage County**  
**March 1, 2023**

Portage County  
Soil & Water Office  
6970 OH-88, Ravenna,  
OH 44266  
330-296-6432



**Ashtabula County**  
**March 21, 2023**

Ashtabula County  
Extension Office  
39 Wall Street,  
Jefferson, OH 44047  
440-576-9008



# **2023 Northeast Ohio Private Pesticide Applicator Re-Certification & Fertilizer Application Re-Certification Sessions**

The registration fee is \$35/per person for the private pesticide applicator re-certification. The registration fee is \$10/per person for the fertilizer re-certification session. ***Pre-registration is required 7 days prior to the session date.*** An additional late registration fee of \$25 per person will be added for any registration received after the registration deadline listed below.

Name \_\_\_\_\_ Pesticide Applicator Number \_\_\_\_\_

Email address \_\_\_\_\_

Phone Number \_\_\_\_\_ County \_\_\_\_\_

Categories Needed for Re-certification \_\_\_\_\_

## **Session I will be attending (check one):**

\_\_\_\_ January 24, 2023, 5:00 PM – 9:00 PM, at the Trumbull County Extension Office.

### **Registration due by January 17**

\_\_\_\_ February 1, 2023, 1:00 PM – 5:00 PM at the Geauga County Extension Office.

### **Registration due by January 25**

\_\_\_\_ March 1, 2023, 1:00 PM – 5:00 PM at the Portage County Soil & Water Office.

### **Registration due by February 22**

\_\_\_\_ March 21, 2023, 1:00 PM – 5:00 PM at the Ashtabula County Extension Office.

### **Registration due by March 16**

## **Fee Required (check all the apply):**

\_\_\_\_ Pesticide Applicator Re-certification (\$35 pre-registration)

\_\_\_\_ Fertilizer Applicator Re-certification (\$10 pre-registration)

\_\_\_\_ Late Registration Fee (\$25-if applicable)

\_\_\_\_ I paid online (See box on right)

### **Want to pay with a card?**

Fill out this registration and mail it in, then go online to pay at:  
[go.osu.edu/geaugapayments](https://go.osu.edu/geaugapayments)

**Total Fee Due \$** \_\_\_\_\_

**Please make check payable to OSU Extension and mail to:**

Geauga County OSU Extension, 14269 Claridon-Troy Road, Burton, Ohio 44021

***To register for Online (Zoom) Pesticide Fertilizer Training, please visit:  
[Go.osu.edu/zoompat23](https://Go.osu.edu/zoompat23)***





**Join Us On:**  
**February 13**  
**April 14**  
**September 15**  
**November 17**  
**7:30 to 8:00 a.m.**  
**via Zoom**



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**OSU Extension presents:**

# **Coffee and Grain Marketing with Dr. Seungki Lee**

Grab a cup of coffee and join OSU Extension's conversation with Dr. Seungki Lee as he examines the **World Agricultural Supply and Demand Estimates (WASDE)** crop reports each quarter in 2023. Learn more about the factors impacting the corn, soybean, and wheat markets. Producers are encouraged to bring their questions to this early morning conversation.

**There is no fee to attend any of these webinar sessions.**

**Pre-register at: [go.osu.edu/coffeewithDrLee](https://go.osu.edu/coffeewithDrLee)**

**EVENT SPONSORS:** OSU Extension, Farm Financial Management & Policy Institute (FFMPI), and the Department of Agricultural, Environmental and Development Economics (AEDE)

## Natural Resource Professionals

Save The Date!

Wednesday March 15<sup>th</sup>

9:00 am - 3:30 pm

Ohio State University Mansfield Campus

Online registration:

[go.osu.edu/maple2023](https://go.osu.edu/maple2023)

Registration: \$20

## Introduction to Maple Syrup Production

This workshop is for natural resource professionals that need to get a better grasp of what it takes to turn a woods into a functioning maple syrup operation.

Learn how to assess a woodlands potential, what equipment will be needed, what options are available to a landowner interested in maple sugaring, and what else is needed to establish an operation as an income opportunity.



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# Ashtabula County Local Food Focus Group

Come talk with fellow food producers about your successes and challenges. Share your ideas for county wide initiatives and learn about local food related projects going on in the county and beyond.

## **Two opportunities to attend**

**In person: Saturday, February 11th • 10:00 a.m.–12:00 p.m.**

**OSU Extension- Ashtabula County**

**39 Wall Street**

**Light refreshments will be served**

**-Or-**

**Via Zoom: Tuesday, February 21<sup>st</sup> • 6:00 p.m.- 7:30 p.m.**

**Email Julie Wayman to RSVP**

**[wayman.31@osu.edu](mailto:wayman.31@osu.edu)**

**Or call 440-576-9008**



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AND ENVIRONMENTAL SCIENCES

# Ohio CAN!

Connecting Producers and Communities

**Webinar February 22nd,  
6pm-8pm**



Register to learn more about Ohio CAN, a program where underrepresented farmers can sell food to foodbanks to be given to Ohioans lacking local food access.





NORTHEAST OHIO WINTER BEEF CLINIC

**MARCH 23, 2023**

Ashtabula County Fair Grounds - Expo Building  
6:30 PM - 8:30 PM

**SAVE THE DATE!**



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*Ashtabula*  
COUNTY CATTLEMEN'S ASSOCIATION  
EST. 1990