

**CFAES**

OHIO STATE UNIVERSITY EXTENSION

Jefferson County

# *Cooperative* **CONNECTION**

Covering county news and events for Extension programs, including  
Agriculture & Natural Resources and 4-H Youth Development

**MAY-JUNE | 2022**



## **Calling all Campers!**

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## WHEN THE RAIN WON'T LET UP

by Bridget Britton, Behavioral Field Specialist

Each morning when waking up, recently it feels as though we look out the window and it is either raining or has rained overnight. Farmers are natural meteorologists and are in tune with what is going on with the weather any given hour of the day.

According to Aaron Wilson, Ohio State University Extension climatologist, there has been measurable rainfall all but 3 days so far in the month of April. Wet weather and planting delays are sources of additional stress.

Though we can't know for sure when the fields will dry up enough to plant, there are things you can do to keep some of the stress from overwhelming you.

- **Get moving:** This is normally when the physical activity starts ramping up. You might not be out busy in the fields yet but start prepping your body and mind now by doing whatever exercise you enjoy to get in the right mindset. This "exercise" might include working on equipment, cleaning your shop, or catching up on things you've been putting off.
- **Make time for laughs:** Have you ever heard laughter is the best medicine? Well, it might not be the best, but it can help. Make sure you find time to spend with your funny family member or employee. You know who they are.
- **Stay away from unhealthy coping mechanisms:** If you are like me stress eating is easy to do, but instead of overeating try playing a game, calling a friend, or spending time with nature. An increase in unhealthy habits such as alcohol use can contribute to farm accidents, and could negatively impact you, your family, and your farm business.
- **Take a look at long term goals and plans:** Though you would rather be out in the fields, with all the rain this may be a good time to examine the future of the farm. Talk with family and employees about any improvements or goals you have for the future. Making sure everyone is on the same page is crucial. Often as planting season begins

- **Help yourself and others during stressful times:** Make time during the wet days and evenings for check-ins with family and friends. This can support not only them but you during this stressful time. No one should have to suffer alone if they may be feeling any type of anxiety or sadness. While you are waiting for the rain to pass this is a great time to spend some time off the farm and each other's company.

Remember you are more than your farm. We need you to be healthy both physically and mentally. Reach out if you or someone you know may be struggling. There are resources available at [go.osu.edu/farmstress](https://go.osu.edu/farmstress) or reach out to your local extension office. If someone is in crisis there is the free and confidential crisis line at 1-800-273-8255.

### References:

- Brotherson, S. (2017). *Stress Management for Farmers/Ranchers*. Retrieved from <https://www.ag.ndsu.edu/publications/kids-family/farm-stress-fact-sheets-stress-management-for-farmers-ranchers>
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## HIGHLY PATHOGENIC AVIAN INFLUENZA DETECTED IN BACKYARD FLOCK IN FRANKLIN COUNTY

*Press Release from the Ohio Department of Agriculture*



**REYNOLDSBURG, OH (March 30, 2022)** -- Highly Pathogenic Avian Influenza (HPAI) has been detected in a backyard chicken flock in Franklin County. The positive detection was confirmed by the United States Department of Agriculture's Animal and Plant Health Inspection Service (USDA-APHIS). The samples were first tested at the Ohio Department of Agriculture's Animal Disease Diagnostic Laboratory and confirmed at the APHIS National Veterinary Services Laboratories in Ames, Iowa.

HPAI is a highly contagious virus that spreads quickly and can be fatal to flocks and devastating to poultry owners, both commercial and non-commercial.

State officials quarantined the affected premise, and birds on the property will be depopulated to prevent the spread of the disease. Birds from the flock will not enter the food system. Federal and State partners are working jointly on additional surveillance and testing in areas around the affected flock. Surveillance activities will be conducted in a 10-kilometer zone around the infected premise.

HPAI can infect poultry (such as chickens, turkeys, pheasants, quail, domestic ducks, geese, and guinea fowl) and is carried by free flying waterfowl such as ducks, geese, and shorebirds. The recent HPAI detections **do not present an immediate public health concern**, according to the Centers for Disease Control and Prevention. No human cases have been detected in the United States. As a reminder, the proper handling and cooking of all poultry and eggs to an internal temperature of 165 °F is recommended as a general food safety precaution.

"Enhanced Biosecurity is the number one preventive measure against avian influenza," State Veterinarian Dr. Dennis Summers said. "HPAI can infect any size flock. We urge all poultry owners **to intensify their biosecurity and best management practices**."

Biosecurity and best management practices include:

- **Prevent contact with wild birds and waterfowl.** Keep birds indoors when possible.
- **Keep visitors to a minimum.** Only allow those who care for your poultry to have contact with them and make sure they follow biosecurity principles.
- **Wash your hands before and after contact with live poultry.** Use soap and water. If using a hand sanitizer, first remove manure, feathers, and other materials from your hands.
- **Provide disposable boot covers (preferred) and/or disinfectant footbaths for anyone having contact with your flock.** If using a footbath, remove all droppings, mud or debris from boots and shoes using a long-handled brush *BEFORE* stepping in. Always keep it clean.
- **Establish a rodent and pest control program.** Deliver, store, and maintain feed, ingredients, bedding, and litter to limit exposure to and contamination from wild animals.
- **Use drinking water sourced from a contained supply (well or municipal system).** Do not use surface water for drinking or cleaning.
- **Clean and disinfect tools and equipment before moving them to a new poultry facility.** Trucks, tractors, tools, and equipment should be cleaned and disinfected prior to exiting the property. Do not move or reuse anything that cannot be cleaned.
- **Look for signs of illness.** Monitor egg production death loss, discoloration and/or swelling of legs, wattles and combs, labored breathing, reduced feed/water consumption.

**If you notice any symptoms or unexpected deaths in your flock, please report them immediately to the Ohio Poultry Association (614.882.6111), or the Ohio Department of Agriculture (regular business hours: 614.728.6220; after hours: 888.456.3405).**

These and more resources can be found at **Best Practices for Poultry Owners**.



## Poultry Owners



The United States aims to remain free from Highly Pathogenic Avian Influenza (bird flu). This means that the preferred course of action in the event of an outbreak is to immediately eradicate the disease.

Poultry Owners need to be on alert and protect their birds through proper biosecurity. Owners and their flocks must avoid any direct or indirect contact with wild birds or other poultry. If there is high mortality, owners should submit birds to be tested

# I think my birds have the flu. What do I do?

If your birds are dying at an alarming rate, you should immediately contact any of the following:

## Ohio Department of Agriculture



Animal Disease Diagnostic Laboratory: (614) 728-6220  
After Hours: (888) 456-3405.

## US Department of Agriculture



Toll-free number  
(866)-536-7593

## Ohio Poultry Association



info@ohiopoultry.org  
Phone: (614) 882-6111

**If your birds are suspected of having influenza, they will be tested by ADDL**

This project was supported by Agriculture and Food Research Initiative Competitive Grant no. (2015-68004-23131) from the USDA National Institute of Food and Agriculture.



United States  
Department of  
Agriculture

National Institute  
of Food and  
Agriculture

Any opinions, findings, conclusions, or recommendations expressed in this publication are those of the author(s) and do not necessarily reflect the view of the U.S. Department of Agriculture.



## Bird Flu

### What is it?

### How to avoid it?

Bird flu, or avian influenza, is a disease caused by influenza type A virus that can infect poultry. Most strains are low pathogenic. Highly pathogenic strains (HPAI) are highly contagious in birds and often cause death in poultry.

#### Q: Is this a new bird disease?

A: There are many different subtypes and strains of flu viruses that circulate, and can evolve into new strains. Those designated as HPAI can be devastating to poultry.

#### Q: Is it the same as the human influenza?

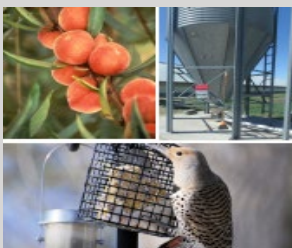
A: This particular version of the virus does not infect humans. It is strictly a bird disease, not a threat to human health as stated by CDC. Eggs, chicken and turkey are safe to eat.

## HPAI: Improve Biosecurity with Wildlife Deterrents

Certain diseases, including Avian Influenza, have little to no illness in wild waterfowl yet can have a huge impact in your domestic flock.

Strengthen your farm biosecurity by implementing wildlife management practices to limit exposure to your flock.

- **Remove standing water.** Even shallow water can attract wildlife. Make sure to keep your birds away from this area. Do not walk or move equipment near areas visited by wild waterfowl.
- **Do not use pond water as drinking water.** Only provide clean filtered water to your birds.
- **Reduce wildlife feed sources.** Do not feed wildlife and have poultry feed in secured area.
- Add wildlife deterrents. Use decoys such as swans or predators and move frequently to improve effectiveness. Add fencing around ponds.



### Q: How will I know if my birds get infected with this virus?

One of the earliest signs of the disease is increased death with up to 100% mortality in many cases. Birds will also show signs of sickness, twisted necks, blue and swollen faces and feet. The most consistent necropsy lesion was hemorrhages on the proventriculus (See pictures below).



Wild migratory waterfowl are thought to be the source of the disease. The state of Ohio is part of the Mississippi Flyway.

### Q: Can this disease affect my backyard/show flock or 4-H project?

Yes, Avian influenza can infect all domestic poultry including chickens, turkeys, and ducks. It is important to have good biosecurity practices in place and keep your birds away from wild waterfowl.



### Q: How can I protect my birds from this terrible disease?

## BIOSECURITY

- Biosecurity includes all of the sanitary practices that are implemented to prevent the spread of diseases. These include:
  - Prevent any contact with wild birds
  - Prevent any contact with other animals, wild or domestic
  - Keep your birds sheltered in animal proof/ bird proof houses
  - Avoid visitors to your flock
  - Use disposable gloves and shoe covers before you come in contact with your birds or their environment
  - Wash your hands before and after contact with your birds or their environment
  - Use dedicated cloths to work with your birds, or use disposable coveralls
  - Avoid using surface water (ponds or lakes) as a source of drinking water for your birds
  - Acquire your feed from reliable sources and store it in a clean, dry, and cool place away from wild birds or wild animal's access, particularly rodents
- USDA provides excellent resources for bird biosecurity at: [USDA's Defend The Flock Program](#)





## GROWING DEGREE DAY (GDD) SUMMARY, MARCH 2022

by Amy Stone, OSU Extension, Lucas County

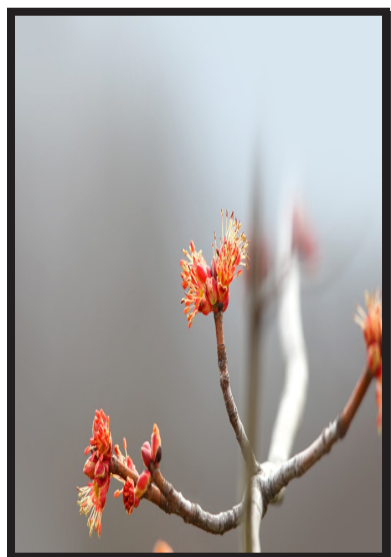
Here is your Growing Degree Day (GDD) summary ending March 31, 2022. While the calendar says it is spring, our actual outdoor experiences made have said otherwise. We have enjoyed some spring-like temperatures, but on the flip side, snow flakes have been flying in the not so distant past. Hopefully now that it is officially April things will change - who are we kidding, it is Ohio.

Stay tuned for these [year-to-date summaries](#) each month in 2022.

### GDD Chart, March 31, 2022

Ohio City (County)	Zip Code	GDD Unit Accumulation
Bryan (Williams)	43506	79
Toledo (Lucas)	43615	77
Sandusky (Erie)	44870	80
Elyria (Lorain)	44035	83
Barton (Geauga)	44021	75
Jefferson (Ashtabula)	44047	68
Van Wert (Van Wert)	45891	82
Findlay (Hancock)	45840	81
Medina (Medina)	44256	86
Mt. Gilead (Morrow)	43338	93
Mt. Vernon (Knox)	43050	102
Steubenville (Jefferson)	43952	114
Dayton (Montgomery)	45417	127
Springfield (Clark)	45505	123
Columbus (Franklin)	43210	125
Lancaster (Fairfield)	43130	143
Marietta (Washington)	45750	155
Cincinnati (Hamilton)	45223	163
Hillsboro (Highland)	45133	172
Ironton (Lawrence)	45638	173

Growing Degree Day (GDD) Summary March 31, 2022



Red Maple Buds



European pine sawfly

### GGD Species List (Common Name, Scientific Name, Phenological Event, GDD)

The list includes both plants and insects. Insects are **bolded** within the list.

Red Maple, *Acer rubrum*, full bloom, 75; Star Magnolia, *Magnolia stella*, first bloom, 83; **White Pine Weevil, *Pissodes strobi*, adult emergence, 84**; Border Forsythia, *Forsythia x intermedia*, first bloom, 86; **Eastern Tent Caterpillar, *Malacosoma americanum*, egg hatch, 92**; Manchu Cherry, *Prunus tomentosa*, first bloom, 93; Northern Lights Forsythia, *Forsythia x intermedia*, full bloom, 94; Speckled Alder, *Alnus incana*, full bloom, 97; Corneliancherry Dogwood, *Cornus mas*, full bloom, 98; Norway Maple, *Acer plantanoides*, first bloom, 116; Border Forsythia, *Forsythia x intermedia*, full bloom, 116; Chanticleer Callery Pear, *Pyrus calleryana*, first bloom, 123; Sargent Cherry, *Prunus sargentii*, first bloom, 127; **Larch Case Borer, *Coleophora laricella*, larval feeding begins, 128**; Japanese Pieris, *Pieris japonica*, full bloom, 129; Saucer magnolia, *Magnolia x soulangiana*, first bloom, 133; **Exotic Ambrosia Beetle, *Xylosandrus germanus*, first adult emergence**, Common Floweringquince, *Chaenomeles speciosa*, first bloom, 137; Bradford Callery Pear, *Pyrus calleryana*, first bloom 142; **European Pine Sawfly, *Neodiprion sertifer*, egg hatch, 144**; Weeping Higan Cherry, *Prunus subhirtella*, first bloom, 145; PJM Rhododendron, *Rhododendron PJM*, first bloom, 147; Norwar Maple, *Acer platanoides*, full bloom, 149; Chanticleer Callery Pear, *Pyrus calleryana*, full bloom, 149; **Inkberry Leafminer, *Liriomyza sativae*, adult emergence, 150**; Star Magnolia, *Magnolia stella*, full bloom 151; Sargent Cherry, *Prunus sargentii*, full bloom, 151; Allegheny Serviceberry, *Amelanchier laevis*, first bloom, 153; Spring Snow Crabapple, *Malus x spring snow*, first bloom, 155; Manchu Cherry, *Prunus tomentosa*, full bloom, 155; **Smooth Crabgrass, first seedling emergence, 155**; Apple Serviceberry, *Amelanchier x grandiflora*, first bloom, 159; **Spruce Spider Mite, *Oligonychus ununguis*, egg hatch, 162**; Bradford Callery Pear, *Pyrus calleryana*, full bloom, 164; Allegheny Serviceberry, *Amelanchier laevis*, full bloom, 169; Saucer magnolia, *Magnolia x soulangiana*, full bloom, 174; PJM Rhododendron, *Rhododendron PJM*, full bloom, 178; Weeping Higan Cherry, *Prunus subhirtella*, full bloom, 179; **Boxwood Psyllid, *Psylla negundinis*, egg hatch, 179...**

Now that you have read this summary, what is your GDD? Check out this link <https://weather.cfaes.osu.edu/gdd/>, type in your Ohio zip code, and see where your location is at in this biological calendar.

## Pesticide & Fertilizer Exam Study Materials

Commercial applicators may receive study materials after submitting [applications](#) with license fees to the Ohio Department of Agriculture. Applicators may also request additional study packets from the Jefferson County Extension office.

**For more information on obtaining a pesticide license, visit [pested.osu.edu](http://pested.osu.edu). For fertilizer certification, visit [nutrienteducation.osu.edu](http://nutrienteducation.osu.edu). You can also contact the Jefferson or Harrison County Extension offices with any questions.**

Study materials can also be found on these websites. Hard copies of study materials may be in stock at the Jefferson County Extension office - call ahead to check availability.



## PESTICIDE EXAM INFORMATION

The 2022 pesticide & fertilizer exam schedule is now available at [go.osu.edu/pesticideexam](http://go.osu.edu/pesticideexam)!

Visit the registration link to view scheduling and locations available.

Exams are scheduled for the following dates in Jefferson and Harrison Counties  
May through July:

### May 17 9AM-1PM

Jefferson County Towers Building/  
OSU Extension, 2nd Floor  
Meeting Room, 500 Market Street,  
Steubenville, OH

### July 19 9AM-1PM

Jefferson County Towers Building/  
OSU Extension, 2nd Floor  
Meeting Room, 500 Market Street,  
Steubenville, OH

Photo IDs will be required.

Pencils and calculators will be provided.

Per OAC 901:5-11-08(A)(7), applicants must wait five (5) business days between testing sessions.

Multiple exams may be taken during a session, however, due to limited space, you may only register for one session per week.

Register for exams at  
[pested.osu.edu/  
PrivateApplicator/testing](http://pested.osu.edu/PrivateApplicator/testing)





# Jefferson & Harrison **MASTER GARDENER VOLUNTEERS**



The Jefferson & Harrison Master Gardener Volunteer training consists of both online modules, hands-on labs and tours, and either a writing or presentation project. Interns are expected to attend an orientation session and a minimum of 5 labs but can pick and choose either by topic or date that best fits into their schedule. Labs run monthly from March through September. Modules must be completed within 6 months and lab requirements must be completed within a year from date of application. Cost of the training is \$100 per person and includes the online course and labs/tours. Classes are open year-round - apply at any time! Send questions to Erika Lyon at [lyon.194@osu.edu](mailto:lyon.194@osu.edu) or call 740-461-6136.

Master Gardener Volunteers in Ohio offer assistance with home horticultural questions, pest identification, school programs, demonstrations, research, and continuing education programs. Working with county Ohio State Extension personnel, Master Gardener Volunteers provide educational services to their communities. If you are a garden enthusiast, this is a great opportunity to share your gardening know-how and skills with others in your community.

To learn more about the application process, visit [go.osu.edu/becomejeffharmgv](http://go.osu.edu/becomejeffharmgv).



Interested in gardening but not necessarily in becoming a volunteer? This year, the labs and tours will be open to the general public. Cost to attend is \$15/person/session. Call 740-461-6136 for more information.

*Stay up-to-date with the latest findings at the C. Wayne Ellett Plant & Pest Diagnostic Lab by checking out the new* **Weekly Plant Disease & Pest Diagnostic Clinic Sample Summary**

- available at [bygl.osu.edu](http://bygl.osu.edu)



**Spotted lanternfly nymphs are emerging...Help us spot spotted lanternfly! Contact the Ohio Department of Agriculture at 614-728-6201 or use the Great Lakes Early Detection Network App to report sightings of this insect!**



JEFFERSON & HARRISON

# EXTENSION PUBLIC PROGRAM CATALOG

Class titles listed below link to  
flyers and additional information

## WORKSHOPS CONTINUED...

## IN-PERSON CLASSES & CERTIFICATIONS

### Pesticide & Fertilizer

- [Applicator Exam May 17th 9AM @ Jefferson County Towers Building](#)
- [Applicator Exam July 19th 9AM @ Jefferson County Towers Building](#)
- [Applicator Exam August 9th 9AM @ Carroll County Extension Office](#)
- [Applicator Exam August 16th 9AM @ Harrison County Fairgrounds](#)

More information on page 2.  
Register for exams at [go.osu.edu/pesticideexam](https://go.osu.edu/pesticideexam)

### Livestock

- [Beef Quality Assurance Certification/Recertification](#) May 10th 7PM @ Harrison County Fairgrounds - call 740-264-2212 to register

## IN-PERSON CLASSES CONTINUED...

### Natural Resources

- [Wild Mushrooms of Ohio](#) May 23rd 6PM @ Schiappa Branch Library - call 740-282-9782 to register
- [Wild Mushrooms of Ohio](#) May 24th 6PM @ Dillonvale Branch Library - call 740-282-9782 to register
- [Wild Mushrooms of Ohio](#) May 25th 6PM @ Toronto Branch

## WORKSHOPS

### Horticulture

- Plant Propagation Workshop June - More information TBA
- Pollinators Trail Tour July 11th 1-4PM in Bergholz, OH
- Fruit & Nut Production Workshop August 4th 5-8PM in Bowerston, OH
- Plant Diagnostics Workshop September 1st 1-4PM in Bergholz, OH

### Livestock

- [Forages for Horses Pasture Walks](#) June 7th 6-8PM @ OSU ATI Equine Center, Wooster

### Natural Resources

- Pond Clinic June 8th 4-6PM, Location TBA

Call 740-264-2212 for more  
information on upcoming  
workshops and field days.

## UPCOMING LIVE WEBINARS

Identification & Management of  
Pests in Cucurbit Crops June 29th  
7-8PM - call 740-264-2212 to  
register and receive the webinar  
link.

### Economic Outlook & Policy Webinar Series

- Labor Markets May 4th Noon-1PM - register at [go.osu.edu/AEDE-series](https://go.osu.edu/AEDE-series)
- Carbon Markets June 1st Noon-1PM - register at [go.osu.edu/AEDE-series](https://go.osu.edu/AEDE-series)

### Farm Office Live

- Live Session May 20th 10-11:30AM - register at



# EXTENSION PUBLIC PROGRAM CATALOG

## CONTINUED

Class titles listed below link to  
flyers and additional information

## ONLINE/HYBRID COURSES & CERTIFICATIONS

### Horticulture

- [Buckeye Gardener Online \(\\$100\)](#)
- [Eastern Bees 101 \(no cost for Ohio Pollinators On-Line course participants\)](#)
- [Introduction to Hydroponics \(\\$240\)](#)
- [Master Gardener Volunteer Training \(\\$100\)](#) - Call 740-264-2212 for more information
- [The Power of Pollinators](#)

### Natural Resources & Energy

- [Fish ID Virtual Field Trip \(\\$50\)](#)
- [Macroinvertebrate Sampling Virtual Field Trip \(\\$50\)](#)

### Livestock

- [Avian Influenza Biosecurity Course for Backyard Flock Owners](#)
- [Beef Quality Assurance \(BQA\)](#)
- [Forages for Horses \(\\$75\)](#)
- [Mortality Composting \(\\$17\)](#)
- [Pastures for Profit \(\\$50\)](#)

### Farm Management

- [Developing & Interpreting Your Financial Statements & Measures](#)
- [Farm Security](#)

### Pesticides & Fertilizer

- [Dicamba Training](#)

### Food Safety

- [Risk Assessment for Food Safety](#)
- [Risk-based Decision Making for Food Safety](#)

*Additional courses can be found at [campus.eXtension.org](https://campus.eXtension.org)  
and at [cfaesosu.catalog.instructure.com](https://cfaesosu.catalog.instructure.com).*



## STATUS OF HERBICIDE RESISTANCE IN OHIO WATERHEMP POPULATIONS

by Mark Loux, OSU Extension Weed Specialist

We have been screening waterhemp populations over the past few years for their response to various herbicide sites of action. Our overall goal is to get a sense of the types of resistance that have developed or may be developing, so that growers and agronomists know what they should be looking for. We summarized some of this in a fairly lengthy C.O.R.N. article last year. We recommend that readers also view the Take action video, “Why care about metabolic herbicide resistance”, by Dr. Pat Tranel, University of Illinois. One of the discussion points in this video is that metabolic resistance is likely to be extremely variable, resulting in waterhemp with resistance to anywhere from one to 5 sites of action, and any combination of these. This is in addition to the target-site based resistance to glyphosate, group 2, and group 14 that already exists in most populations. Reminder that the Take Action Herbicide Classification chart is a great tool for determining herbicide site of action group number.

In the previous C.O.R.N. article, we covered results with populations collected through September 2019. Results with 2020 populations were overall similar, and we are still in the process of screening populations collected in 2021. We initially screened for resistance to glyphosate, imazethapyr (group 2), and fomesafen (group 14). Based on the consistent trends in that screening, and the metabolic herbicide resistance developing in states to the west of us, we dropped the glyphosate and imazethapyr and broadened the screen to include herbicide groups for which metabolic resistance is important. Screens of 2019 and 2020 populations included atrazine (group 5), mesotrione (group 27), 2,4-D (group 2), fomesafen, and s-metolachlor (group 15). We used foliar applications of emerged plants for the first four and measured mortality. For the s-metolachlor, we assessed control of plants emerging from seed in treated soil. In the 2022 screen we have dropped the fomesafen and added glufosinate. We have not included dicamba because using this in the greenhouse did not seem especially wise, given this it's potential to volatilize and follow any type of air movement and ruin a lot of other research. We have also for several years submitted populations to a regional project where waterhemp has been screened for resistance to glufosinate and dicamba. Our research has been funded by the Ohio Soybean Council, and the regional project is funded by USB.

A summary of findings and implications follows:

- Most water hemp populations in Ohio are resistant to glyphosate and group 2 herbicides, and growers should not count on these to provide any control.
- Depending upon the year of screening, up to 75% of the populations screened had some level of resistance to group 14 herbicides. This includes not only the POST herbicides – fomesafen, lactofen, acifluorfen – but also the residual herbicides – flumioxazin, sulfentrazone. Resistance to the residual herbicides is not manifested as a complete lack of control, but rather reduced longevity of control so that there is a loss of overall effectiveness. Growers trying to control waterhemp in nonGMO or Roundup Ready soybeans will have to use group 14 herbicides for POST control and should take steps to determine whether group 14 resistance is present before counting on these to work. The abundance of Enlist, XtendiFlex, and LibertyLink soybeans has reduced our use of POST group 14 herbicides overall, which may have slowed the development of additional resistance.
- We observed some level of variable response to atrazine, mesotrione, s-metolachlor, and 2,4-D among the 38 total populations we screened from 2019 and 2020. About half the populations had a reduced response (less than 80% control) to foliar application of atrazine at 1 lb ai/A, although most of them were still controlled at 4 lbs/A. About half of the 2019 populations had a reduced response to mesotrione at 3 oz product/A, but all were controlled at 4 times this, and all of the 2020 populations were controlled by both rates. The response to 2,4-D was more difficult to assess, because it appeared that the 1X rate of 0.75 lb ae/A was overall less effective in the greenhouse than usually is in the field. Regardless, it appeared that a couple of populations had reduced response to 2,4-D. The same issue with rate occurred for the screening with s-metolachlor. We observed a similar issue with rate for the s-metolachlor screen, where the 1X rate of 1.5 lb ai/A appeared overall less



- A summary of the preceding paragraph would be that we have evidence of resistance developing to those 4 herbicides, with the caveat that we did not do the necessary follow up research to confirm this (does response and heritability studies). These are mostly populations collected during our annual preharvest survey, from fields where there appeared to be indicators of resistance. Some populations were poorly controlled at the standard herbicide use rate, and for some of these, using four times that rate still did not result in more than 80% control. If we have metabolic based resistance developing, it is following the predictions of Dr. Tranel. The presence of this type of resistance for one site of action does mean that resistance to the others occurs. However, there were several populations with reduced response to all four sites of action we used, for which metabolic resistance is an issue.
- The regional project screening did not find reduced response to dicamba or glufosinate in the populations we submitted. Our feeling is that it's probably a matter of time until we have populations in Ohio with resistance to these herbicides, and also 2,4-D, given the intensive use of these in POST herbicide programs for soybeans

Putting this in perspective, waterhemp continues a trend of developing resistance to any herbicide used against it repeatedly. Metabolic resistance introduces the additional problem of having a broader assortment of herbicides and herbicide mixtures select for a single mechanism that confers resistance to multiple sites of action, reducing the effectiveness of a number of control options at once. It won't be enough to alternate herbicide sites of action (which doesn't happen much anyway) and mix multiple sites of action. Herbicide management does not go far enough toward preventing resistance problems in waterhemp. Ultimately, we need to scout fields often enough to discover control problems, which could be due to resistance, and prevent plants from going to seed.

Photo:



**Waterhemp** (photo by Ohio State Weed Lab , The Ohio State University, Bugwood.



## THE THRIVING FARMER

information to help farmers and their families make healthful choices

### IT MAY NOT BE BROKE, BUT YOU COULD WORK ON IT

By Joseph Maiorano, PhD, Family and Consumer Sciences, OSU Extension, Harrison County

Do you remember your wedding day—the joy, excitement, and commitment to that special person whom you chose to marry? For some of you, that day was not long ago, but for others, decades may have passed. As you get farther from that blissful day, your commitment may be just as steadfast. But, as life happens—your growing farm, financial issues, young children, etc.—the joy and excitement may have faded (Finkel, and co-authors, 2013). On the one hand, you're still married, so your marriage is not broken. On the other hand, if you invest a little time and effort into that relationship, then you and your spouse may renew some joy and excitement with each other. Monmouth University professor of psychology Gary Lewandowski (2020) has some relationship maintenance ideas that you might try.

#### Use Boredom as an Alarm

Rather than becoming comfortable with uncomfortable boredom, consider it a call to action. Couples may shake boredom by getting back to activities they once had shared, such as evening walks. Or they might try new activities, like bird watching or biking at a nearby state park.

#### Preventive Maintenance

Instead of waiting for the alarm to spur you, you could do some preventive relationship maintenance. For example, plan some time alone with your spouse. Maybe venture out to a new restaurant or prepare a home-cooked meal comprised of new recipes. If getting away is difficult, then you could plan romantic evenings at home.

#### Rom-Com Night

A night out at a local cinema might be fun, or you could watch a movie at home. Romantic comedies, or rom-coms, can be entertaining. Also, these films may offer some interesting relationship topics to discuss at another time. Don't forget the tasty snacks, and you might just have a new date-night tradition.

#### Journal

Make some quiet time to think and write about your spouse. For instance, you could write about your gratitude for your spouse, your spouse's strengths, or the strengths of your relationship. What are some ideas for spending time with your favorite person? You could share with your spouse some of your entries and ideas. You don't have to settle for a marriage that merely is surviving. Invest a little time, effort, and creativity, and you might forge a thriving relationship.

Finkel, E. J., Slotter, E. B., Luchies, L. B., Walton, G. M., Gross, J. J. (2013). A brief intervention to promote conflict reappraisal preserves marital quality over time. *Psychology Science*. 4(8), pp. 1595-601.

Lewandowski, G. (2020). A 4-step maintenance plan to help keep your relationship strong. Downloaded on November 8, 2021, from, <https://theconversation.com/a-4-step-maintenance-plan-to-help-keep-your-relationship-going-strong-130736>

*Joseph works for Ohio State University Extension, Harrison County. Joseph and his wife, Mary, live in Steubenville, Ohio. They have four sons, including two who live at home.*





# LESSER CELANDINE: GREATER PROBLEM

BY JOE BOGGS, OSU EXTENSION

Lesser Celandine (*Ficaria verna* (previously *Ranunculus ficaria*)) is known as a “spring ephemeral” owing to the time of year when short-lived plants and flowers are present. The majority of this weed’s hide-and-seek life cycle is spent hidden from view as underground tubers. Bright yellow buttercup flowers are now revealing infestations in southern Ohio.

This non-native highly-invasive weed belongs to the buttercup family, Ranunculaceae, and is sometimes called “fig buttercup.” The “fig” refers to the shape of the underground tubers and the “buttercup” describes the flowers.

The taxonomy of this Eurasian native has long been debated with some sources indicating there are subspecies, varieties, and geographical genotypes. Part of the confusion stems from a seasonal variation in flower parts with early-flowering plants having more flower parts compared to late-flowering plants.

Another source of confusion stems from the occurrence of plants with different numbers of chromosomes. Diploid plants have two sets of chromosomes; tetraploid plants have four sets. When diploids and tetraploids occur together, triploids are found with three sets of chromosomes. The number of chromosomes affects more than just academic interest. Diploid plants reproduce sexually; they produce seeds. Triploid and tetraploid plants reproduce vegetatively by producing above-ground bulbils.

I’ve never observed seed production on lesser celandine in southwest Ohio. Of course, this does not mean diploid plants do not occur in my part of the state or elsewhere in Ohio. In fact, seed production may account for some of the rapid spread of lesser celandine observed in various parts of the state. However, I have no doubt that plants in southwest Ohio produce bulbils; I’ve frequently observed and photographed these structures.

## The Ugly Nature of a Beautiful Plant

Lesser celandine is native to Europe, northern Africa, western Asia, and Siberia. It is believed to have been first introduced to North America as an ornamental in the mid-1800s and escapes were reported in Pennsylvania in 1867.

Dense colonies were originally associated with moist soils near streams or around spring seeps. Lesser celandine continues to be found in

these locations; however, lush aggregations are now commonly found blanketing well-drained hillsides and hilltops in Ohio.

The shiny dark green heart-shaped leaves are borne on fleshy, white, tightly clustered leaf stalks. New leaves are noticeably mottled with light and dark green patches.

Profuse glossy, butter-yellow flowers that are about 1” in diameter rise singly on stalks slightly above the foliage. The overall effect of a massive colony of lesser celandine is a magical-looking dark green carpet speckled with flecks of bright yellow.

It’s a beautiful sight unless you consider that the magic carpet rolls over native spring wildflowers, particularly spring ephemerals. Although lesser celandine plants seldom rise more than 4 – 5” above the soil, they have dense root systems, and plants grow together to form mat-like impenetrable canopies. I’ve observed lesser celandine rolling over Trillium (*Trillium* spp.), mayapple (*Podophyllum peltatum*), cutleaf toothwort (*Cardamine concatenata*), Dutchman’s breeches (*Dicentra cucullaria*), and Virginia springbeauty (*Claytonia virginica*).

Negative impacts on fragile forest flora is one reason lesser celandine is included on the Ohio Department of Agriculture’s List of Invasive Plants. Plants on the list were prohibited from being sold or distributed in Ohio.

You can see this list by clicking on the hotlink below:

<https://agri.ohio.gov/wps/portal/gov/oda/divisions/plant-health/invasive-pests/invasive-plants>

Take care not to confuse our native Marsh Marigold (*Caltha palustris*) with lesser celandine. Both are spring ephemerals that belong to the buttercup family with plants sporting similar-looking yellow flowers. However, lesser celandine flowers have 3 green sepals and 7–12 yellow to faded yellow petals. Marsh marigold flowers have 5–9 yellow petal-like sepals. Marsh marigold leaves are also much larger, and plants lack underground tubers and above-ground bulbils. Of course, as its common name implies, marsh marigold does not wander far from wet environs.

Continue reading at <https://bygl.osu.edu/index.php/node/1944>

Photo below by Joe Boggs, OSU Extension



# Jefferson County

Discover  
Yourself  
in **4-H**



## #FindYourSparkIn4-H

Congratulations to Our Window Decorating  
Top Ten Winners!

1. Free Spirits
2. Broken Fences
3. Cross Creek Tomahawks
4. Appalachian 4-Her's
5. Steubenville City
6. Wildwood Critters
7. Windy Ridge
8. Warren Ridge Wranglers
9. Purple Circle
10. Happy Hooves

## 2022 Jefferson County Agricultural Society Code of Conduct

The **Jefferson County Agricultural Society Code of Conduct** is available to complete! This **MUST** be completed by ALL 4-H **ENROLLED** youth/guardians! The link can also be found on our Jefferson County Extension Website and the OSU Extension-Jefferson County Facebook page. **The DEADLINE to complete is June 1, 2022.**



**Ohio State Fair 4-H Non-Livestock Guidebook**

**Ohio State Fair 4-H Animal Sciences Event Calendar**



# Congratulations to Our Iron Chef Winners!

Thank you to all who made the Iron Chef competition a great success! All the teams and cloverbuds were amazing!

**Here are the placings for the 4-H youth!**

## **Appetizers -**

- 1st - Windy Ridge - Marmalade Meatballs
- 1st - Cross Creek Tomahawks - Variety of Dips
- 2nd - Steubenville City Seedlings - Citrus Ceviche
- 2nd - Country Rangers - Lemon Ricotta Bruschetta
- 3rd - Warren Ridge Wranglers - Orange Venison Meatballs
- 3rd - 4-H Varieties - Citrus Trio Charcuterie
- 4th - Broken Fences - Lemon Ricotta Bruschetta
- 5th - Happy Hooves And Fancy Feathers - Spicy Citrus Smokies



## **Main Dish-**

- 1st - Broken Fences - Lemon Pepper Chicken With Pasta
- 1st - Steubenville City Seedlings - Citrus Chicken and Sweet Potato Mash Up
- 2nd - Country Road Runners - Lemon Chicken Pasta
- 2nd - Town & Country - Cilantro Lime Chicken Street Tacos
- 3rd - Dirt Diggers - Citrus Cream Pasta
- 3rd - Friends & Neighbors - Lemony Chicken Asparagus Linguine
- 4th - Country Rangers - Lemon Chicken Soup With Orzo
- 4th - Windy Ridge - Chicken Citrus Salad
- 5th - Warren Ridge Wranglers - Chicken Picatta

## **Desserts-**

- 1st - Friends & Neighbors - Lemon Lime Cake N Cream
- 1st - Broken Fences - Orange Creamsicle Cheesecake Parfait
- 1st - Steubenville City Seedlings - Citrus Cisters Lemon Cups
- 2nd - Wildwood Critters - Valencia Orange Layered Chocolate Cake
- 2nd - Dirt Diggers - Lemon Cupcakes With Lemon Icing
- 2nd - Dirt Diggers - Zesty Lemon Bars
- 3rd - Happy Hooves And Fancy Feathers - No Bake Lemon Parfait
- 3rd - 4-H Varieties - Mandarin Orange Dreamsicle Fluff
- 3rd - Town & Country - Coconut Surprise Cupcakes
- 4th - Country Roadrunners - Lemon Orange Poke Cake
- 4th - Town & Country - Dessert Lemon Bisque
- 5th - Liberty Gals & Guys - Portokalopita (Greek Orange Cake)

(PLEASE KEEP IN MIND TEAMS COMPETE AGAINST THOSE IN THEIR ASSIGNED ROOM, ALLOWING FOR MULTIPLE 1ST, 2ND AND SO ON ..PLACINGS. SOMETIMES TEAMS DROP OUT THE COMPETITION THE DAY OF THE EVENT AFTER THE SCHEDULE IS SET/PRINTED AND JUDGES INFO. HAS BEEN DISTRIBUTED. THEREFORE, THERE CAN BE UNEVEN NUMBERS OF COMPETITORS IN EACH ROOM. THERE IS NO WAY TO CONTROL THE LAST MINUTE FORFEITURES. WE APOLOGIZE FOR ANY INCONVENIENCE THIS MAY CAUSE.)



# **Jefferson County Jr. Fair Market Animal Tag-In**

## **May 7th, 2022**

### **9 a.m.-11 a.m.**

#### **at the Jefferson County Fairgrounds**

## **Swine, Beef Feeder, Dairy Beef Feeder, Market Lamb, and Market Goat Tag-In**

**NO ANIMALS ARE TO BE BROUGHT TO THIS TAG-IN!**

You **MUST** have the **Ear Notch Form** (For Swine ONLY) and the **Jefferson County Jr. Fair Market Animal Identification Form** completed with the attached **FOUR** color photos to the back of the form, which must include left side of animal, right side of animal, head shot, and butt shot that shows tag number from the back. **EACH ANIMAL NEEDS A FORM!** Swine **MUST** also have an ear notch form as well, **even if there are no ear notches on the animal!** All forms may also be downloaded from the Forms page of the Jefferson County Extension website and OSU Extension-Jefferson County Facebook Page.

ANY TAG that you **DO NOT** use **MUST** be returned at weigh-in or **NONE** of the exhibitor's animals will be weighed in and therefore will be disqualified from show.

## **Community Service Opportunities!!**

### **Trash Can Painting Community Service Opportunity**

On Tag – In day, **May 7, from 9 am – 1 pm**, feel free to bring paint brushes, sponges and paint to reface and decorate trash cans. This can be used as a 4-H club community service project. Cans will be located near the livestock arena.

The rain date for this event is Contest Day, June 8.

Please note a 4-H club advisor must stay with, help and monitor youth members as they complete this task. Materials will not be provided, but must be brought by the participating club.

**Contest Day, June 8th, bring a tote full of first aid items for Camp Piedmont!**



## **Poultry Hatch Dates**

**Turkey: March 28, 2022**

**Goose: May 23, 2022**

**Duck: June 20, 2022**

**Chicken: June 27, 2022**

**Remember: All Poultry MUST hatch  
ON or AFTER the hatch date!**

**Poultry Tag-In: July 30, 2022**

**ALL Poultry MUST be brought to  
Tag-In.**

## **Horse, Rabbit, and Dog ID Forms Due**

**in the OSU Extension Office by:  
June 1, 2022**

(Late forms will NOT be accepted unless approved by  
the 4-H Committee)

**Rabbit Tag-In: July 30, 2022**

**ALL pet and market rabbits (except  
Doe and Litter) MUST be brought to  
Tag-In. Market Rabbit ID Forms will be  
available at the event.**

**ID Forms and Information Packets for Tag-In can be found on our Facebook Page and  
Website. The packets include everything you need to know for the competitions!**

## **4-H “Stuff the Stock Trailer” For The Jefferson County Humane Society**

**4-H youth are stuffing a stock trailer full of pet basic needs in support of the Jefferson County  
Humane Society during the 2022 4-H awards ceremony on Sunday, August 14. Donations will  
only be accepted from 3-8 pm.**

**Preferred supplies in the greatest need are listed below. These items can be purchased multiple  
places including Walmart and Chewy.com!**

### **Items in the greatest need include:**

**Tidy Cats kitty litter, PetAg Powder Milk Supplement for kittens, Fancy Feast cat food, Purina  
Pro grain-free canned kitten food, Dog Treats, Kong cheese whiz, Kong snacks, Frisco Squeaky  
Football Dog Toy, Zisc Flying Disc Dog Toys, Cat Toys, Fur Haven soft-sided dog and cat playpen,  
Puppies in Bloom colorful puppy litter identification bands, Tomlyn Nutri-Cal fish Supplement  
for cats, Nursing Kits, KMR kitten milk replacement, Fancy Feast Grain-Free Pate, Special Kitty  
Fragrance Free Natural Clay Litter, Sun Liquid Laundry Detergent, Dawn Ultra Dishwashing  
Liquid, Pure Balance Dry Dog Food, Creamy Peanut Butter, Petmaker Portable Pop Up Pet Play  
Pens, Purina One Grain Free Natural Kitten Pate, HOTWINTER pet feeding nipples for kittens  
and puppies, throw-size blankets.**

**Although items for kittens, cats, puppies and dogs are always in the greatest need, the  
humane society also accepts items for other species.**

**Jefferson County Humane Society Sponsorship Opportunities**

# GOAT LAMB POULTRY CLINIC

## WHEN

**May 7th, 2022**

## WHERE

**Jefferson County Fairgrounds**

## TIMES PER SPECIES

**11 am—Poultry under the rabbit pavilion**

**11 am—Market Lambs in the show arena**

**11:45 Goats—Meat,/Market/Dairy Goats/Companion Goats in the show arena**

**Topics to be covered include—Feeding a champion, daily care, daily routine, show prep, showmanship,**

## PLAN TO STAY FOLLOWING TAG-IN

SWINE AND BEEF CLINICS WILL BE HELD AT A LATER DATE

Cooperative Connection

**ALL AGES  
EVENT**

**FREE  
ADMISSION**

**MOST  
OUTSTANDING  
EXHIBITOR  
CONTESTANTS  
FOR GOAT ,  
LAMBS, AND  
POULTRY  
MUST  
ATTEND**

**WILL INCLUDE:  
Prizes following  
each specie**

## PRESENTERS

**Ron and Jamie Wiley  
Marlene and Emily  
Lamantia**

**Tonnie Fomenko & family  
and Emily Valuska**

**Jessica Sudvary**

Jefferson County Extension





# Calling ALL Goat and Sheep Projects!

**Goats and Sheep MUST have a scrapie tag!**

Ohio Department of Agriculture representatives will send your animal home from the fair, and you will not be allowed to show at all if you do not have a scrapie tag. Your animal's breeder

should have placed a scrapie tag before purchase, but if the breeder did not, it is then up to the current owner to do so! (The only exception to this is a goat that was microchipped by the breeder and has all the coordinating paperwork.)

**Download the order form here:**

**[Ohio Scrapie Tag Order Form](#)**

**Find more information here:**

**[Ohio 4H Scrapie and Scrapie Tag Information](#)**

**[Factsheet Animal Identification and Recordkeeping Guide for Sheep and Goats](#)**

**Jefferson County's horse PAS show is cancelled for 2022, as a PAS judge can not be secured for the set date. If you are looking for a location to qualify for The Ohio State Fair for horse-related events please see the PAS listings at: <https://ohio4h.org/animalsciences/horse/pas-qualifying-shows>**

**We have contacted the state office to remove Jefferson County from the list of PAS shows.**

Cooperative Connection

Please contact **Crystal Conaway**, secretary for the Jefferson County Fairboard, with your 4-H Club's flower bed request for 2022! You must **text or call 740-381-1774 ASAP but no later than May 7.**

Flower beds are not guaranteed, as the fairboard reassigns locations every year. So get your request in

**soon!**

Jefferson County Extension

# 2022 Ohio Youth Skillathons

The Ohio State University Extension and The Ohio State University Department of Animal Sciences are pleased to offer **BOTH** in-person AND virtual Skillathons again for 2022!

Our 4-H Animal Sciences team will conduct online Ohio Youth Skillathons this year with the opportunity to compete for the highest score; no cash awards will be involved. These Skillathons will include similar educational materials, by species, that are evaluated at the Ohio State Fair. In-person Skillathons will be at the Ohio State Fair and youth participating at the youth livestock shows will have an opportunity to compete.

Deadline to register for all Virtual Ohio Youth Skillathons is **June 21, 2022**.

See the flyers below and save the dates for the species you want to participate in and put your 4-H project knowledge to the test! Times, details about rules and registration are provided on this page. If you have questions about the Ohio 4-H Skillathon, contact us at

[4hanimalscience@osu.edu](mailto:4hanimalscience@osu.edu).



## VIRTUAL OHIO YOUTH SKILLATHONS

To support the continued learning experiences of youth livestock and companion animal exhibitors throughout Ohio, Ohio State University Extension and the Department of Animal Sciences are pleased to once again offer virtual Skillathons in 2022! Our 4-H Animal Sciences team will conduct online Ohio Youth Skillathons (in addition to in-person Skillathons at the Ohio State Fair) with the chance to compete for the highest score. These Skillathons will encompass the similar educational materials, by species, that would typically be evaluated at the Ohio State Fair. Please save the date(s) for the species you would like to participate in. And keep an eye out for a registration announcement!

Cavy: Wednesday, July 6  
Dog: Wednesday, July 6  
Poultry: Wednesday, July 6  
Rabbit: Wednesday, July 6  
Goat: Thursday, July 7  
Horse: Thursday, July 7

Llama/Alpaca: Thursday, July 7  
Sheep: Thursday, July 7  
Beef: Friday, July 8  
Dairy: Friday, July 8  
Swine: Friday, July 8

## IN-PERSON OHIO YOUTH SKILLATHONS

To support the continued learning experiences of youth livestock and companion animal exhibitors throughout Ohio, Ohio State University Extension and the Department of Animal Sciences are pleased to once again offer in person Skillathons in 2022! Our 4-H Animal Sciences team will conduct Ohio Youth Skillathons (in addition to virtual Skillathons at the Ohio State Fair) with the chance to compete for the highest score.

These Skillathons will encompass educational materials designed to challenge youth while teaching them about their project. Please save the date(s) for the species you would like to participate in and keep an eye out for the release of topics and study materials.

Dog: Thursday, July 14  
Horse: Wednesday, July 20  
Dairy: Wednesday, July 27  
Poultry: Wednesday, August 3  
Sheep: Wednesday, August 3

Beef: Thursday, August 4  
Swine: Thursday, August 4  
Goat: Friday, August 5  
Rabbit: Friday, August 5



This brochure contains all the information needed for your child to attend 4-H Camp this year. We are planning a great camp and we hope you are looking forward to your child attending.

Both beginning and experienced campers will enjoy the camping experience. Cabins and counselors will be assigned by age, so be sure to mark your child's age on the registration.

Please call if you have any questions.

Angie Allison, Extension Educator  
4-H Youth Development  
Jefferson County



### LIMITED CAMPERSHIPS ARE AVAILABLE...

If you need monetary assistance to attend camp, please call the OSUE Office for an application for campership funds.

Campership applications are due on May 6, 2022.

OSU Extension – Jefferson County  
500 Market Street, Suite 512  
Steubenville, OH 43952  
Phone: 740.264.2212 or 800.628.7460  
Fax: 740.264.2039

email: Allison.325@osu.edu  
Visit us online at: jefferson.osu.edu

CFAES provides research and related educational programs to clients on a nondiscriminatory basis. For more information: <http://go.osu.edu/cfaesdiversity>.



# 2022 Jefferson County 4-H Camp

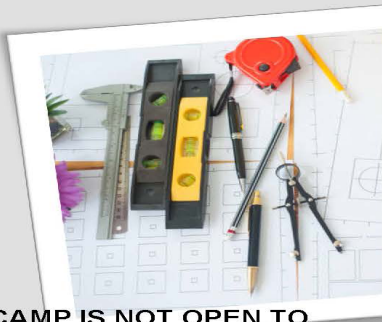
## Future Leaders Under Construction



June 15-18, 2022

We will explore the world of construction at our annual 4-H Camp. This camp is available for members, ages 8-13 years old. Don't forget that you must be at least 8 years old and in the 3<sup>rd</sup> grade and no more than 13 as of January 1, 2022

You can call our office if you have questions about age or concerns about your child's maturity level to attend camp. We can help you decide if the camping experience is appropriate.



**CAMP IS NOT OPEN TO CLOVERBUDS.**

We will hold a Cloverbud Camp at the Jefferson County Fair.

The following will give you an overview of Camp Piedmont in helping make your decision about sending your child to camp:

**PERMANENT STAFF:** Camp Manager, Assistant Manager, Maintenance Staff and Cooks.

**SUPERVISION:** Extension Staff, Dean of Women/Men, Adult Chaperones, Full-Time Nurse, Camp Mom and trained Camp Counselors.

**OPPORTUNITIES:** Personal growth through involvement of campers in theme activities, group skills, responsibilities and decision making.

**CAMP ACTIVITIES:** Daily schedule includes recreation, swimming, kayaking, crafts, nature, citizenship and special evening activities.

**MEALS:** Menus and snacks are prepared by professionals to meet daily food requirements.

**CAMP LOCATION:** Camp Piedmont is located off St. Rt. 800 midway between Smyrna and Sewellsville in Belmont County. A map will be provided to you after you register.

**ENROLLMENT:** Return the registration with the camp fee by the due date. Additional information about what is required to attend camp will be sent to each camper after registration is received.

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

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

Age of Camper: \_\_\_\_\_ Telephone: \_\_\_\_\_

Parent's E-Mail: \_\_\_\_\_

I want to be in a tribe with: \_\_\_\_\_

2022 Camp Cost is \$150.00 \$ \_\_\_\_\_

(NOTE: Amount is refundable until June 1, 2022. No refunds will be given after that date.)

Please enclose payment with registration form.

**Counselor Fee is \$90. This includes a camp counselor t-shirt.**

No photo will be included in the price of camp. Camp picture will be posted on the Jefferson County 4-H Facebook page.

\_\_\_\_ I give \_\_\_\_ I do not give Ohio State University Extension permission to publish in print, electronic or video format the likeness or image of my child.

**REGISTRATION AND PAYMENT IS DUE: May 6, 2022.**

Please complete one registration for each camper/counselor. Make check/money order payable to "Jefferson County 4-H Committee" and mail to:

OSU EXTENSION, JEFFERSON COUNTY  
500 Market Street, Suite 512  
Steubenville, OH 43952

# Future Leaders Under Construction



Our 4-H Camp Counselors had a great time getting certified in First Aid/CPR/ Stop The Bleed/Bloodborne Pathogens. This makes our camp counselors prepared to take care of any accidents or mishaps at camp, while providing them with real-world certifications to enhance their resumes!

**Great Job Everyone!**

**4-H Camp Registrations Are Due May 6th  
to be guaranteed a spot at camp!**

**Late Registrations are due no later than May 31!**

**Please note the cost increase is due to Piedmont's increase in cost.**

You can find the [Camp Piedmont Family In-Need Scholarship form](#) under the 2022 Forms on this site. Forms are due by May 6.



**Jefferson County 4-H  
Committee  
is again offering a \$1,000  
scholarships to two deserving  
Jefferson County 4-H  
graduates.**

**To learn more and apply go to the  
[Jefferson County 4-H Committee  
Scholarship](#) in the Forms section  
of our website.**

**Applications are due June 1!**

## SKILLATHON 2022

**Skillathon online for all required species opens June 1.**

**The in-person skillathon dates are as follows:**

In-person Horse Skillathon will be available at horse camp AND at Contest Day on June 8 from 5-7 pm, at the fairgrounds.

In-person Livestock/Companion Animal skillathons will be available at Contest Day in the kitchen on June 8, by appointment only. It also will be available, from 8:30 am - 3:30 pm, Monday - Friday, June 27-July 1 at the OSU Extension office building on the second floor.

**ALL MOE MUST complete In-Person Skillathon!** You must complete the in-person skillathon to receive a free t-shirt. This was decided by the 4-H committee! Online skillathon counts toward the completed project. Online skillathon does not count toward Most Outstanding Skillathon Youth. Only Most Outstanding Skillathon Youth earn a t-shirt.



# 4-H CAMP PIEDMONT **CAMP CLEANUP 2022**

Please join us at Camp Piedmont as we prepare for the upcoming summer season!

## Bring Tools for the Following Projects:

- Brushes + Trays for Painting
- Chainsaws, Leafblowers
- Heavy Duty Garbage Bags
- Weed-Eaters + Hedge Trimmers
- Sanders
- General Maintenance Tools



April 16th &  
April 23rd from  
1pm-6pm

May 1st &  
May 7th from  
1pm-6pm



Contacts:  
Codie McKain, Camp Facility Chair  
2013kingt@gmail.com

Thank you to those who supported the Camp Piedmont benefit! The funds will be used to update cabins and make much needed repairs throughout the camp!

Rough total.....  
we have raised over  
\$120,000.00

## **Bright Lights, Country Nights The Best of Both Worlds**

**2022  
Fair &  
Booth  
Theme**

Get those  
ideas  
flowing!!  
We can't wait  
to see them!



# **2022 HORSE CAMP**

## *The Horse Olympics*

### *June 3-5*

## *Jefferson County Fairgrounds*

Please find the Horse Camp Registration Form, Cloverbud Horse Camp Registration Form, and Ohio 4-H Health Statement in the link below or by going to the forms page on our website. **The health form is your ticket into horse camp for the weekend.** It will need to be filled out **prior** to arriving at the fairgrounds.

**The 2022 Jefferson County Horse Camp Registration Forms are due by May 10, 2022.** Check-in at camp will be held from 5:30-7:00 pm in the rabbit pavilion at the Jefferson County Fairgrounds. **Schedules for the weekend will be provided during check-in.**

Please be advised, the committee is working on getting a lunch stand this year. However, this is not a guarantee. If you have any questions or concerns, feel free to contact Deb Grimes at 740-424-4996.

**PIZZA AND SODA**

**WILL BE SUPPLIED ON FRIDAY AT 7:30**

## **Horse Camp Registration and Health Form Packet**

The horse subcommittee is planning a silent auction to raise money to deter the cost of horse camp. The committee is asking that silent auction baskets be donated by 4-H clubs and horse camp attendees. Baskets will be accepted 8:30 am – 4 pm., May 30-June 2, at the OSU Extension office. Silent auction bidding will take place at horse camp, with final bids being accepted by 1 pm, June 5.



# **Jefferson County Horse Camp**

**June 3-5, 2022**

Theme:

## **Horse Olympics!!**

**Participate in Our**

### **Horse Costume Contest**

**Friday, June 3 @ 7pm**

**Dress your horse as if you were carrying any country's flag into the opening ceremony of the Olympics!**

**We will be judging on the following criteria:**

- Most Colorful**
- Most Upcycle**
- Most Original**
- Most Glamorous**



# Contest

## DAY 2022

**JUNE 8, 2022**

**JEFFERSON COUNTY FAIRGROUNDS**

**ALL Advisors Please Submit Your Club Registration  
By: May 27, 2022**

**Events Include:**

- Interviews:
  - Species Achievement Interviews (Junior Division and Senior Division)
  - 4-H Pledge
  - 4-H Creed
  - Health and Safety Speaking Individual (Junior Division and Senior Division)
  - Health and Safety Team Talk/Skit
  - Illustrated Talk/Demonstration Individual or Team (Junior, Intermediate, and Senior)
- Marketing Division Events:
  - Cards and Infomercials (All entries MUST be received in the Extension Office by June 3)
- Other Opportunities:
  - Reduce Reuse, and Recycle Event (Cloverbuds, Beginner, Intermediate, and Senior)
  - Horse Poster
  - Live Horse Skillathon
  - Horse Quality Assurance
  - Dog Poster
  - Live Skillathon (By Appointment Only)
- Cloverbud and Sprout Activities
  - Plant a Boot
  - Learn the Pledge
  - Pop Tabs
  - Birthday Card (All Cards entries MUST be received by June 3)
  - Reduce, Reuse, Recycle





# Who Can I Call With Questions About My....

Who you are you going to call when you need to understand what is expected of a “new-to-you” animal/livestock project?

These folks – Our 2022 Key Leaders!

**Poultry (Including All Chickens, Ducks, Geese, Fowl, Etc.)** - Emily Lamantia - 740-317-7454;

**Marlene Lamantia** – 740-632-1518

**Beef** - Bonnie Randolph - 740-275-6728

**Swine/Dairy Goat** - Clint Finney - 740-359-3737

**Horse** - Deb Grimes - 740-424-4996; Carl Glenn - 740-381-8548;

**Robin Wedlake (State/County Equine Team)** - 740-424-7606

**Pygmy Goat** - Jessica Sudvary - 740-317-8096

**Meat Goat** - Kelly Valuska - 740-632-7135

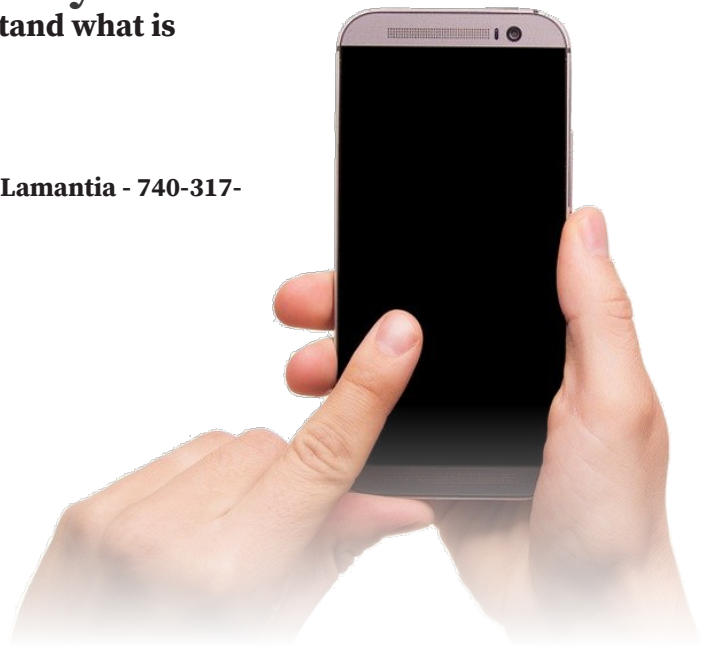
**Dairy** - Steve Griffith - 740-232-5755

**Sheep** - Hayden Johnson - 740-632-6424

**Rabbit** - Tammy Mazzaferro - 740-346-6306

**Dog** - Danielle Lish - 740-827-4516

**Small Animals (Lizards, cats, turtles and more)** - Corbin Hoffman - 740-424-3231

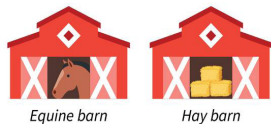


## PREVENTING BARN FIRES

Barn Fire Prevention and Safety for Equine Facilities and Owners

### Store hay separately.

Hay should be stored in a building separate from livestock housing.



### Monitor hay temperature.

Regularly insert a compost thermometer in the middle of stored hay stacks to check the temperature.

If hay reaches 150° F disassemble stacked bales to promote ventilation and continue checking hay temperature regularly

If hay reaches 170+° F call the fire department (9-1-1) to remove hot hay from storage structure

### Keep facilities clean.

Frequently dust cobwebs, sweep up and remove loose hay, and wipe down surfaces. Put out sparks to eliminate potential ignition sources.



### Ensure an on-site water source is available.

Natural water sources or installed water supplies in barns can assist the fire department at the scene.



### Use caution with heaters, lamps, and fans.

Only use portable heaters, heat lamps, and fans in barns if necessary. Never leave them on or unattended and always unplug when not in use. Stall fans must be rated for agricultural use.

### DID YOU KNOW?

Heating equipment is the leading cause of barn fires.



<sup>1</sup>Animal Welfare Institute - Prevent Barn Fires  
<sup>2</sup>Equine Guelph - Barn Fire Prevention Tool  
<sup>3</sup>PennState Extension - Fire Safety in Horse Stables

<sup>4</sup>PennState Extension - Fire Prevention Measures for Equine Facilities  
<sup>5</sup>Rutgers - Fire Prevention and Safety Measures Around the Farm  
<sup>6</sup>UMN Extension - Preparing for a barn disaster



The new **YQCA website** for youth who must complete the online Quality Assurance is :

**<https://yqcaprogram.org/>**

This is a change posted within the last couple weeks!

YQCA linked above is the only option, if you did not already complete QA. It **MUST** be completed 45 days before the start of exhibition and a hard copy of the completion certificate **MUST** be mailed or delivered in-person to **OSU Extension, Jefferson County, 500 Market Street, Suite 512, Steubenville, OH 43952.**

# JEFFERSON COUNTY POLLINATOR PROJECT

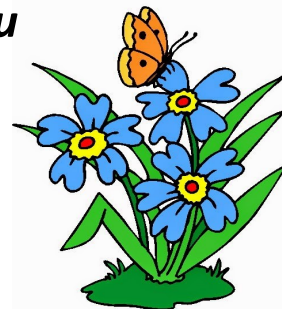
*Sponsored by Jefferson County Farm Bureau*

*In Collaboration with:*

*Jefferson County 4-H, Jefferson County Fair Board,  
Sam Gill, Plant Specialist, Woodland Trails Greenhouse*



JEFFERSON COUNTY



## ***What is the POLLINATOR PROJECT?***

Jefferson County Farm Bureau invites all Jefferson County 4-H Clubs to participate in the Pollinator Project Contest. In this unique, educational contest, all clubs will have the opportunity to learn about pollinators and what they do for our environment, plant management from plant specialists and more, while adding beautiful gardens around the fairgrounds!

Each participating 4-H Club will be assigned a flowerbed at the fairgrounds to design and maintain their pollinator garden. The flowerbeds will be judged during the 2022 Jefferson County Fair.

*Let's get planting....Join us on*

**Saturday, May 7, 2022 at 11:15 a.m.  
Jefferson County Fairgrounds**



**Sam Gill, Plant Specialist and Owner  
at Woodland Trails Greenhouse,  
will present an educational seminar to kick-off our project.**

**Each club will be provided 3 plants that must be used in  
their garden design.**



## **PRIZES**

**1st Place  
\$50.00 and a  
\$50 Woodland Trails  
Greenhouse Gift Card**

**2nd Place  
\$25.00**

**3rd place  
\$15.00**

## **Contest guidelines:**

1. Each 4-H Club must attend the educational seminar on May 7th.
2. Each flowerbed design must use all three (3) plants provided to the club.
3. A map of the flowerbed layout, including type of plants and location, is required for each club flowerbed design.
4. Additional plants can be used in the flowerbed design.
5. *Learn new things and have fun.....Creativity is Encouraged!!*

***Judging will be take place during the 2022 Jefferson County Fair.***

***Questions?***

**John Grafton 740-219-2597 Angie Allison 740-381-2253  
Sam Gill 740-278-2207**



# LESLIE'S CORNER

## Cloverbud and J-Fit



Hello Cloverbuds!

We have lots of fun things happening in May! First, May 8th is Mother's Day, tell mom how much you love her today and every day. The 8th is also, no sock day (**star bead**) let's run around with no socks. May 14<sup>th</sup>, is dance like a chicken day, (**blue Smily face bead**) let's do the chicken dance. Then, no one will forget this **THE LAST DAY OF SCHOOL**. Enjoy your summer! ☺

### J-Fit Activities

J-Fit Activities are for all 4-Her's and Cloverbuds!!  
Help with flower beds at the fairgrounds, home, school etc. (**flower bead**)

Take a trip to a local zoo. May is a great month to do this. The animals love the cooler weather. Learn a fun fact about an unusual animal. (**Green or yellow Question mark bead**)

Help someone paint, a fence, picnic table, stales, deck (**earn a super bead**)

### **Practice 4-H Pledge (No meeting in May)**

### Fun May/June National Holidays 2022

May all month is National Hamburger Month

May 11<sup>th</sup>-- is eat what you want day

June 7<sup>th</sup>-- is national chocolate ice cream day

June 17<sup>th</sup>-- is Eat all your veggies day

June 19<sup>th</sup>-- is Father's Day have a cookout and make a taste dessert for the family.

Also, DO NOT FORGET to email photos so I can send your beads out. Also, DO NOT FORGET to Bring pop tabs, we are still collecting them.

This is for everyone. Can't wait to see all your faces. See you soon.

Happy Summer, Enjoy!

### Fun bead collecting activities

- ✓ Go strawberry pick at a local strawberry patch. National pick strawberry day May 20<sup>th</sup>! (**clock bead**)
- ✓ Horse Cloverbud Camp is June 4th from 2-4 at the fairgrounds midway pavilion. There will be lots of games, crafts, and friendships. The Theme is the Olympics. Don't wear good clothes! We may be painting trash cans. Any cloverbud may attend, the cost is \$5.00 per cloverbud. The application is in newsletter.
- ✓ Participate in fun activities at Contest Day June 8th, 2022 beginning at 5pm at the Fairgrounds. Earn lots of beads. Bring a boot or shoe this evening for your kids to plant flowers or veggies in. Soil and seeds will be provided.
- ✓ Cloverbuds can make cards and turn in by end of May (birthday themed with computer graphics and/or without computer graphics, make both if you want) this is part of Contest Day.

If you have any questions, please feel free to contact me at [aftanas.2@osu.edu](mailto:aftanas.2@osu.edu) or call the office 740-264-2212



# SEASON CALENDAR

\*Dates subject to change

## MAY

5/1 **Last Day to Add/Drop Projects**  
**2022 Achievement Form Due by 4pm**  
5/2 Rabbit Hopping @ Rabbit Pavilion, 5PM  
5/4 Economic Outlook and Policy Webinar, 12PM  
Tick Talk for Healthcare Professionals, 5-6:30PM  
5/6 **Camp Piedmont Registration Due!**  
**Camp Piedmont Family In-Need Scholarship**  
**Application Due**  
5/7 **Livestock Tag-In, 9-11AM**  
Goat, Lamb, Poultry Clinic, 11AM  
5/10 4-H Committee Meeting, 7PM  
BQA @ Harrison County Fairgrounds, 7PM  
5/13 A Day in the Woods, 10AM  
5/18 Farm Office Live, 7PM  
5/23 Goose Hatch Date  
5/27 **Contest Day Registration Due!**  
5/31 **Last Chance! Late Registration for**  
**Camp Piedmont Due by 4pm**

## JUNE

6/1 **The Jefferson County Agricultural Society**  
**Code of Conduct Deadline!**  
**Online County Skillathon Opens**  
4-H Club Activity and Book Fees Due  
**Horse, Rabbit, and Dog ID Forms Due**  
State 4-H Leadership Camp  
**Horse Camp/ Live Horse Skillathon @ the**  
**Fairgrounds**  
**Cloverbud Horse Camp, 2-4PM**  
**Contest Day, 5-8PM**  
Live Horse Skillathon (by appt. only)  
In-Person Livestock/Companion Animals  
Skillathon (by appt. only)  
A Day in the Woods, 10AM  
Camp Canopy @FFA Camp Muskingum  
Ohio State Hippology and Horse Judging  
**4-H Camp Piedmont**  
Duck Hatch Date  
Last Day to Register for State Virtual  
Skillathons  
Chicken Hatch Date  
Junior Leaders Meeting, 5PM  
**In-Person Skillathon @ OSU Extension**  
**Office, Suite 200, 8:30AM-4:00PM**  
6/1-6/5  
6/3-6/5  
6/4  
6/8  
6/10  
6/12-6/17  
6/13  
6/15-6/18  
6/20  
6/21  
6/27  
6/27-7/1



**CLICK HERE TO ACCESS ALL 2022  
JEFFERSON COUNTY 4-H ID FORMS,  
REGISTRATIONS, LINKS, AND  
INFORMATION PACKETS. THEY CAN  
ALSO BE FOUND ON OUR FACEBOOK  
PAGE AND WEBSITE!**



**CLICK HERE TO VIEW THE  
2022 JEFFERSON COUNTY 4-H  
CALENDAR**

Visit [jefferson.osu.edu](http://jefferson.osu.edu) or join the Agriculture & Natural Resources Group on our Facebook page @JeffCoExtension for updates and future webinars, podcasts and other great opportunities!

Ohio State University Extension Jefferson County greatly appreciates the support of the Jefferson County Commissioners: Dr. Thomas Graham, Dave Maple, Jr., and Tony Morelli.

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