

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

JANUARY-FEBRUARY | 2022

2022

A New Year for New Adventures, Learnings, and Achievements

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Letter from the Editors



Happy New Year!

We hope that everyone had a fantastic time with family and friends this past holiday season. Here at Extension, we are gearing up for an event-packed year!

With the start of the new year, we do have a few changes to this newsletter. Some articles will have accompanying videos with them that can be watched when newsletters are opened in the web browser. Also, the summary season calendar has been moved to the back page and contains a listing of all county-related Extension events (including 4-H) for the next couple of months. There are also links available that connect to the detailed 2022 4-H Calendar and the Jefferson County Extension website.

For those whose pesticide and fertilizer licenses are expiring this year, keep an eye out for the renewal form and recertification training schedule from the Ohio Department of Agriculture (ODA). As a general reminder, the cost to renew a license is \$30 that is paid directly to ODA, NOT TO EXTENSION. There is a separate fee for recertification classes that covers the cost of course materials - this amount depends on whether you need fertilizer recert, pesticide recert, or both. Contact our office if your license is up for renewal and you have questions about the process. For anyone needing to get certified for either pesticide or fertilizer certification, see page 5 for more information.

Also in this issue, a new disease has been identified in strawberries in Ohio - see page 12 for more information.

We look forward to seeing everyone after January 1!

Stay warm!

ANGIE ALLISON

4-H Youth Development

ERIKA LYON

Agriculture & Natural Resources



**Spotted lanternfly adult females have laid their eggs..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!**

MESMERIZING MURMURATION

by Joe Boggs, OSU Extension, Hamilton County

“Nay, I’ll have a starling shall be taught to speak nothing but Mortimer, and give it to him to keep his anger still in motion.” [Shakespeare, Henry IV, Act 1: Scene III]

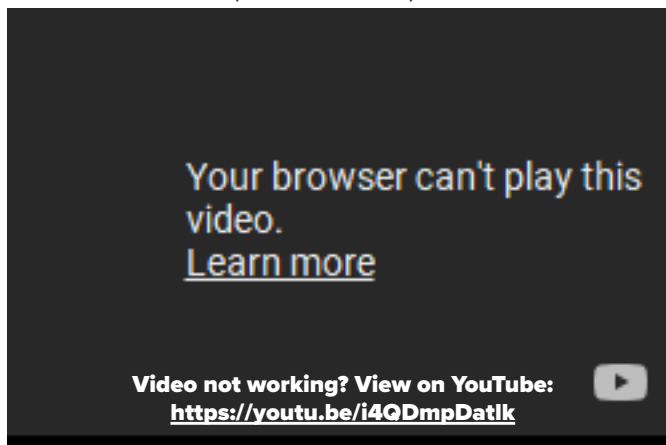
I’m not a fan of the Common (European) Starling (*Sturnus vulgaris*). They have long served as one of the many cautionary tales that illustrate the negative impacts of introducing non-native fauna into the U.S. European starlings are also notorious for their sudden appearances in huge numbers that evoke Alfred Hitchcock’s 1963 film, *The Birds*.

Hang a bird feeder in Ohio and these non-native creatures will appear; sometimes en masse. Their nests clog building vents and their crowdsourced poop-parties speckle sidewalks, windows, cars, and sometimes people. On the other hand, starlings were one of the few birds, both native and non-native, that I observed in late August feasting in large numbers on fall armyworm (*Spodoptera frugiperda*) pupae. Few other birds joined the bug banquet in significant numbers.

Earlier this week, I witnessed one of Nature’s most fascinating spectacles: the swooping, swirling, synchronized aerial display of thousands of starlings flying in close formation. The airborne acrobatics by European starlings are known as a murmuration. They occur in the fall and sometimes in the spring when starlings gather in large numbers. Murmuration is derived from the Medieval Latin *murmuratio* which means “murmuring” or “grumbling.” Some references note the name is associated with the swishing sound made by thousands of wings as the birds whirl about in fast flight. The fluid flights typically occur in the evening and others claim the name is drawn from rustling sound made by starlings as they settle in their collective roosting sites.

Regardless, I believe murmuration is a much nicer name for a collection of animals compared to a murder of crows, a deceit of lapwings, a conspiracy of lemurs, or a bloat of hippopotamuses. However, it’s not as descriptive as a prickly porcupine, a leap of leopards, or an ambush of tigers.

I posted a YouTube video of the starling murmuration and although it is not nearly as dramatic as other online postings of this bizarre phenomenon, you can view the video below (video has no audio):



The highly synchronous twisting and turning of the cloud-like black masses of huge numbers of starlings make murmurations appear as a single organism rather than a group of individuals. It’s a stunning example of collective animal behavior.

Murmurations have been the subject of spurious speculation as well as rigorous scientific studies. The famed British ornithologist Edmund Selous speculated in the 1930s that the murmurations were guided by mental telepathy. Although aluminum foil was available, there are no records of Selous fashioning tiny foil hats to test his hypothesis.

Systematic scientific investigations have gradually replaced rampant speculation. I’ve included a few salient scientific papers listed chronologically



in “Selective References” at the end of this Alert. It is generally recognized that the “why” behind the murmurations is connected to reducing the success of predators. Animal behaviorists have long recognized the value of mass animal movements to confuse predators.

Much of the research into “how” starlings behave in their murmurations has relied heavily on high-resolution photographs and videos. The analyses and computer modeling have revealed several important details.

It was learned early on that murmurations aren’t guided by a single lead bird like a bandleader or football quarterback. Instead, the mass movements are guided by the decisions made by individuals as they continuously monitor the movements of 6 to 7 birds that surround them.

Each bird is making decisions based on three zones: attraction zone, repulsion zone, and angular alignment zone. The attraction zone is where each bird moves forward towards the bird in front of them. The repulsion zone is where birds avoid flying in the same lanes as other birds in their vicinity. The angular alignment zone is the exact location maintained by each bird making constant flight adjustments based on keeping an eye on the 6 to 7 birds in their immediate vicinity.

This individual-based “guidance system” means there is no need for large-scale instantaneous group communication (e.g., mental telepathy). However, the lack of a lead bird or birds tasked with monitoring the “big picture” means things can occasionally go horribly wrong.

On September 14, 2018, 42 starlings were observed flying into a concrete road in British Columbia, Canada. On December 11, 2019, 225 starlings were found lying motionless on a road in North Wales, Great Britain. A post mortem revealed the birds had died from “blunt force trauma.”

In aviation accident investigations, if a perfectly functional aircraft is flown into the ground, it’s called controlled flight into terrain (CFIT). CFIT, which is ironically pronounced “see-fit,” occasionally occurred with close-formation flying before modern avionics were developed to assess the “big picture.” On August 15, 1939, thirteen German Junkers Ju 87s (Stukas) followed their flight leader into the ground during a dive-bombing demonstration in front of Army and Luftwaffe officers.

Thus far, research results into the “how” behind starling murmurations have produced computer models used to enhance lifelike animations in movies. The simulations are also being investigated to control everything from large groups of robots to swarms of self-driving cars. Of course, no doubt researchers are seeing fit to cast a wary eye towards CFIT.

Fact and Fiction: Don’t Blame Eugene Schieffelin or Shakespeare

Here are three facts:

1. Shakespeare mentions 66 different species of birds including starlings in his plays and poetry. However, he only mentions starlings once.
2. European starlings were introduced into the U.S. in the 1800s through multiple releases from which they went forth and multiplied.
3. Eugene Schieffelin was a member of the American Acclimatization Society and he helped to introduce non-native birds into the U.S. including starlings.



MESMERIZING MURMURATION continued

These three facts have become interwoven into often-repeated narratives explaining how and why European starlings made their way into North America. To see what I mean, do web searches using the couplets, “Schieffelin starlings,” and “Shakespeare starlings.” Here are a few results:

“Over 100 years ago, Eugene Schieffelin set out to introduce every bird mentioned in Shakespeare’s plays to America. Today, one of those birds is causing irreparable crop damage.” – Pacific Standard online magazine

“According to birding lore, two of America’s most invasive bird species were introduced by a misguided Shakespeare fan named Eugene Schieffelin.” – JSTORE Daily (“where news meets its scholarly match”)

“European Starling was originally introduced here by a group of well-meaning Shakespeare enthusiasts in 1880” – TheCornellLab, All About Birds

“In 1890, approximately 100 birds were brought to Central Park in an effort to have all birds mentioned in Shakespeare’s work live in New York.” – American Museum of Natural History, SciCafe, Wednesday, December 2, 2020.

However, Fugate and Miller (2021) cast serious doubt on the often-repeated stories that there are direct connections between the three facts listed above. They claim there is little evidence that Schieffelin played a significant role in the overall success of starlings in the U.S. and his often-claimed obsession with Shakespeare is a complete fabrication. Thus, there is no evidence he had a goal of releasing every bird mentioned by Shakespeare.

Although Schieffelin was involved in the release of starlings into New York City’s Central Park in 1890 and 1891, these were not the first releases of starlings in North America. In fact, they were among the last. Releases had been going on from Ohio to Oregon for decades before starlings were released in Central Park. Indeed, Fugate and Miller cite as an example the releases of thousands of European birds including starlings in Cincinnati between 1872 and 1874 by the Society of the Acclimatization of Birds. Apparently, no one was quoting Shakespeare when the cages were opened.

Understanding the goals of Acclimatization Societies may be key to unraveling the tenuous link between starlings in the U.S. and Shakespeare. These societies were largely populated by European transplants to the U.S. They were most familiar with European flora and fauna but much less familiar with the ecological value of plants and animals native to North America.

One of the well-meaning goals of the Societies was to import European flora and fauna to benefit agriculture in the U.S. The birds were imported and released in Cincinnati to combat an outbreak of tree defoliating caterpillars. Another reported goal by these Societies across the U.S. was to introduce European animals and plants that were familiar to European ex-pats. Of course, given that Shakespeare was based in Europe, it stands to

reason that Acclimation Societies would cast their importing eyes on many of the same birds mentioned by Shakespeare including starlings. Thus, the supposed connection may be nothing more than a coincidence.

The starling story has become a cautionary tale. However, it’s important to separate fact from fiction in historical accounts.

Sadly, Eugene Schieffelin continues to play the Bogeyman in the starling story. Click on the hotlink below to his “Find a Grave” webpage and read the summary of his life as well as the snarky “Latest Memories of Eugene Schieffelin.

<https://www.findagrave.com/memorial/57547581/eugene-schieffelin>

Selected References

Cavagna, A., A. Cimarelli, I. Giardina, G. Parisi, R. Santagati, F. Stefanini, and M. Viale. 2010. Scale-free correlations in starling flocks. *Proceedings of the National Academy of Sciences of the United States of America*, 107(26), 11865–11870. <http://www.jstor.org/stable/20724163>

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Storms RF, C. Carere, F. Zoratto, and C.K. Hemelrijk. 2019. Complex patterns of collective escape in starling flocks under predation. *Behav Ecol Sociobiol.*;73(1):1-10. <http://dx.doi.org/10.1007/s00265-018-2609-0>

Fugate, L., and J. M. Miller. 2021. Shakespeare’s Starlings: Literary History and the Fictions of Invasiveness. *Environmental Humanities* 13, no. 2: 301-322.



**Pesticide & Fertilizer Exam
Study Sessions
7-9 PM on the dates listed
below**

*Tuesday, February 1
Tuesday, March 1*

Study sessions will be held virtually. Registration is required - call 740-461-6136 or email lyon.194@osu.edu to request the Zoom link.

For more information on obtaining a pesticide license, visit pested.osu.edu. For fertilizer certification, visit nutrienteducation.osu.edu. You can also contact the Jefferson County Extension office with any questions.

Study materials can 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 new 2022 pesticide & fertilizer exam schedule is now available at 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 January through March:

January 31st 9AM-1PM

Ohio Valley Towers Building/OSU Extension, 2nd Floor Conference Room, 500 Market Street, Steubenville, OH

February 15th 9AM-1PM

Harrison County Fairgrounds Commercial Building, 550 Grant Street, Cadiz, OH

March 15th 9AM-1PM

Ohio Valley Towers Building/OSU Extension, 2nd Floor Conference 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



THE THRIVING FARMER

information to help farmers and their families
make healthful choices

LOOKS LIKE A BUSY DAY, SO DROP AND GIVE ME TWENTY FIVE*

by Joseph Maiorano, PhD, OSU Extension, Harrison County

Farming is demanding and dangerous—twice as deadly as law enforcement and five times deadlier than firefighting (US Bureau of Labor Statistics, 2020). So, when you are getting ready for your day, or coming home after a day, you probably don't think, "Time to exercise!"

Regardless, exercise has many significant benefits: It can help boost energy; increase physical functioning; strengthen your heart and cardiovascular system; reduce risk of osteoporosis and falls; help with weight management; strengthen muscles; reduce high blood pressure; reduce risk for Type 2 diabetes, heart attack, stroke, and several forms of cancer; reduce arthritis, pain, and associated disability; reduce symptoms of depression and anxiety; and help increase memory, attention, and other cognitive functions (Physical activity for a healthy weight, 2020; Physical Activity Guidelines for Americans, 2019). What a bargain: For just a few minutes of low to moderate exercise (*five is fine) three times a week, you can be more ready to farm and have a higher quality of life. You feelin' it? If so, let's go!

Make a Commitment

The path of regular exercise can be difficult, so mentally, physically, and emotionally integrate exercise into your lifestyle. Thus, if, nay when, you don't exercise for a few days, or weeks, rather than quitting, you simply get back to what you do: exercise.

The Best Time

When to exercise depends on what time of day works best for you? Are you a morning person? Then, get out of bed a few minutes earlier for some reps before others arise. If you're a night owl, then you might exercise an hour, or so, before bedtime. Regardless, finding your groove may take some finesse. Nota Bene: Mornings, compared to evenings, usually have fewer interruptions, so morning exercisers tend to be more consistent (Caprito, 2021).

Best Exercise

Similar to the best time, the best exercise is up to you. Do you like to walk or run? Want to be outside on the road or inside on a treadmill? Maybe you enjoy stretching or yoga on the floor. Some people join a gym, but are you

okay exercising with strangers? And the commute might squander precious time. You could search the internet for online exercise programs. Some sites require a fee, yet, in addition to exercise videos, they may offer fitness trackers, nutrition info, and healthful recipes. Stream these workouts to a device or monitor, then jump, sweat, huff, and puff in the comfort of your own family room.

I know farming keeps you busy—you have a lot going on. Yet, a little time to exercise may help you go a long way.

References:

Caprito, A. (2021). This is the best time of day to exercise, backed by science. Downloaded on November 5, 2021, from, <https://www.cnet.com/health/fitness/when-should-you-exercise-morning-afternoon-or-night/>.

Physical Activity for a Healthy Weight. (2020). Downloaded November 2, 2021, from, https://www.cdc.gov/healthyweight/physical_activity/index.html

Physical Activity Guidelines for Americans, 2nd ed. (2019). Downloaded November 2, 2021, from, https://health.gov/sites/default/files/2019-09/Physical_Activity_Guidelines_2nd_edition.pdf

US Bureau of Labor Statistics. National Census of fatal Occupational injuries in 2019. (2020). Downloaded November 2, 2021, from, <https://www.bls.gov/news.release/pdf/foi.pdf>

Photo

Sabinevanerp. Downloaded from, <https://pixabay.com/photos/jogging-trail-forest-man-adult-5863698/>



THRIVING FARMER continued... LUNCH: THE FUEL YOU'LL NEED

Farmer, you work hard. During a 10-15-hour workday, you will burn between 2,500 and 6,750 calories! Before leaving for work, you may eat a nutritious breakfast, yet few farmers consume enough breakfast calories to fuel them for the day. In other words, you will need additional energy to fuel you through the afternoon and into the early evening, so grab some lunch.

One size does not fit all

Some farmers may go home for lunch, others leave home with a packed lunch, and some may have a loved one deliver their lunch. Also, some farmers stop working to eat lunch, but others may continue working while they eat lunch. So, lunch happens, yet what are some healthful lunches to fuel a hardworking farmer (Six healthy...ideas, 2019)?

Soups

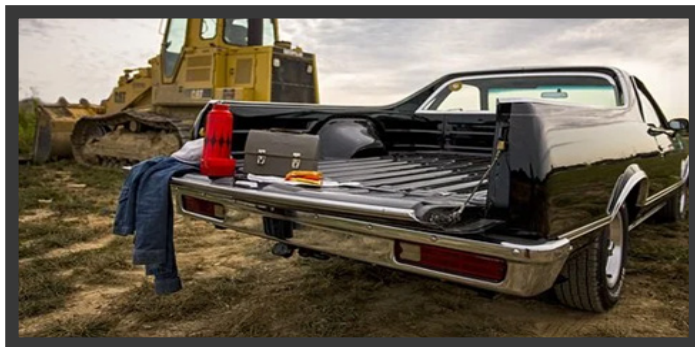
Homemade soup, comprised of protein, vegetables, and legumes, can be nutritious. If you make a big pot-o-soup, then you could freeze, or pressure can, individual portions. Packing soup in an insulated or vacuum sealed container can help soup to stay hot or cold. A hot soup may not be a one-handed work-through-lunch option, but it could help warm up a wintry afternoon.

Sandwiches

By varying combinations of proteins, dairy, condiments, vegetables, and breads, sandwiches offer endless possibilities. Moreover, sandwiches made with whole grain bread may help lower your risks of health problems, such as heart disease, diabetes, and certain cancers (Whole grains, 2020).

Salads

Salads, as sandwiches, have limitless combinations. A salad, made with fruit, cruciferous vegetables, dairy, protein, and whole grains, can be a hearty one-container lunch with plenty of fuel for a busy afternoon.



Leftovers, Planned Overs, and Make Aheads

Sometimes, when dinner's over, you might have leftovers. You could pack these for next-day's lunch or freeze for another day. Similarly, planned overs, or intentionally making more food than one plans to serve for a meal, are set asides for lunches. A make-ahead is preparing and storing food for a specific use. For example, you might spend Saturday morning packing lunches for the upcoming week.

Farming is demanding work, so farmers burn many calories. Eating healthful lunches is one way to help you get the fuel you'll need to be at your best.

References:

Six healthy and delicious lunch ideas. (January 23, 2019). Gina Abernathy. Downloaded on October 27, 2021, from, <https://homeatcedarspringsfarm.com/6-ideas-for-packing-healthy-and-delicious-lunches-for-work/>

Whole grains: Hearty options for a healthy diet. August 20, 2020. Downloaded on October 29, 2021, from, <https://www.mayoclinic.org/healthy-lifestyle/nutrition-and-healthy-eating/in-depth/whole-grains/art-20047826>

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.





East Ohio Women in Agriculture Conference

Friday, March 25, 2022

9 AM - 4 PM

FFA Camp Muskingum

3266 Dyewood Rd. SW, Carrollton, OH 44615

For more information: 740-622-2265



THE OHIO STATE UNIVERSITY

EXTENSION

— We Sustain Life —

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

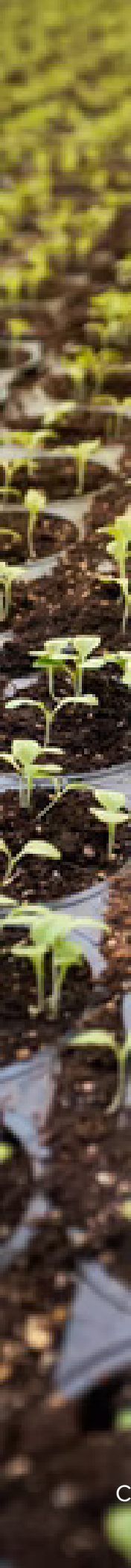
*- available at
bygl.osu.edu*



2022 Soil Health Webinar Series

Thursday, January 6th, 8-9 am:	What's Your Soil Health Resolution? Farmer Panel Discussion
Thursday, February 3rd, 8-9 am	What does the Research Tell Us about Cover Crops & Soil Health?
Thursday, March 3rd, 8-9 am	Hot Topics –What's the Future of Soil Health?

Register today at go.osu.edu/soilhealth2022
1 hrNM CCA continuing education credit per session



GREENHOUSE MANAGEMENT WORKSHOP: Integrated Disease and Insect Management — a virtual event — January 26-28, 2022

Wednesday, January 26 from 9:00 am to 1:00 pm (ET)

Fundamentals

Controlled environment agriculture: An overview | Dr. Chieri Kubota, OSU

Perennial problems of annual plants: Identification & management | Dr. Francesca Hand, OSU

Important guidelines for developing a strong insect management program | Dr. Luis Canas, OSU

Best practices for effective and efficient pesticide application | Dr. Erdal Ozkan, OSU

Thursday, January 27 from 9:00 am to 1:00 pm (ET)

Integrated Approaches

Humidity management | Dr. Peter Ling, OSU

New spray technologies to benefit growers and the environment | Dr. Heping Zhu, USDA-ARS

New Advances for the Management of Mites in Controlled Environments | Dr. Luis Canas, OSU

Ornamental viral diseases: Overview, prevention, & management | Judit Monis, Ball Horticultural

Friday, January 28 from 9:00 am to 1:00 pm (ET)

Root Zone Diseases

Identification and biology of Pythium root rot and other diseases | Anna Testen, USDA-ARS

Research Updates:

Crazy Root Disease | Chris Taylor and/or Cecilia Chagas, OSU

Acidic hydroponics | Chieri Kubota, OSU

Surfactants | Josh Amrhein, OSU

Demonstration and Hands-on Training

Francesca Rotondo, OSU | Josh Amrhein, OSU | Anna Testen, USDA

Cost: \$60 per person | Online registration: click here or go to:

fabe.osu.edu/greenhouse

Questions? Contact:

Mary Wicks

Food, Agricultural & Biological Engineering.

e-mail | wicks.14@osu.edu

phone | 330.202.3533

Continuing education credits requested for:

- Ohio Pesticide Credit Recertification
- Michigan Pesticide Certification
- Indiana State Chemist Certification
- Pennsylvania Pesticide Recertification



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 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/becomejeffharrmgv.



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.

2022 LAB/TOUR SCHEDULE*

Wednesday, March 2nd	Fruit Tree Pruning
Thursday, April 7th	Garden Soils, Landscape Design
Monday, May 9th	Arboretum Tour
Wednesday, June 1st	Plant Propagation
Monday, July 11th	Pollinators Trail
Thursday, August 4th	Fruit & Nut Production Basics
Thursday, September 1st	Plant Diagnostics & Disease/Pest Management

*Schedule subject to change.

Time of day and event location will be released one month prior to each lab/tour.

Training Topics

basic botany
soils, fertilizer and compost
entomology
plant pathology
integrated pest management
plant propagation and houseplants
lawn care
home herb, vegetable and fruit production
backyard wildlife management
pollinators

Don't wait until it's too late! Start scouting in March for problematic plants!

Pigweed Identification

Pigweed with hair on stems and leaves

Pigweed with no hair on stems and leaves

Smooth/redroot pigweed

Waterhemp

Palmer amaranth

Spiny amaranth

A number of pigweed species are found in Ohio. These species can become very problematic and reduce crop yields. Pigweed identification can be difficult, especially at the seedling stage of growth. This guide will help in making a correct identification based on typical pigweed characteristics. *Guide by Mark Loux, OSU Extension*

Egg-shaped to round leaves

Long narrow leaves with short petioles

Petioles as long or longer than the leaf

¼ to ½ inch spines at leaf axils – very long and sharp



Hemp Dogbane

Hemp dogbane (*Apocynum cannabinum*) is a perennial weed often found in pastures and crop fields. It is known to be toxic, whether in the pasture or in a hay bale, to livestock, especially equine. This plant is related to milkweeds but are not used as food by monarch larvae.

Key features for identification of hemp dogbane include opposite leaves that are 2-5 inches long at maturity and secretion of a milky sap when tissues are damaged. Much like milkweed, it is difficult to control in fields. Learn more at

<https://go.osu.edu/jeffcogdogbane>

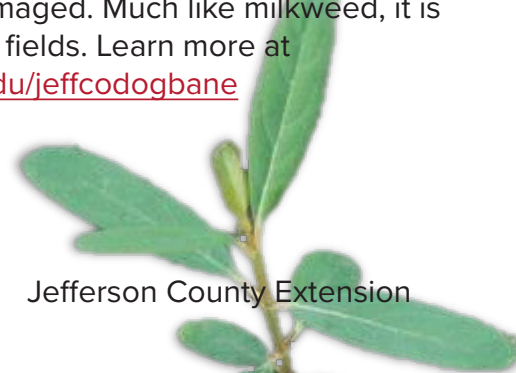


Photo by the Ohio State Weed Lab ,
The Ohio State University, Bugwood.org

AN EMERGING STRAWBERRY DISEASE IN OHIO

By Dr. Francesca Rotondo- Wooster Diagnostic Coordinator, OSU, Melanie Lewis Ivey, Associate Professor, OSU Extension Fruit Pathologist, Department of Plant Pathology, and Marcus McCartney, OSU Extension Washington County

The start of the 2022 strawberry field season does not bring good news for Ohio strawberry growers. In 2017, researchers in Florida identified a new fungal pathogen affecting strawberries. Since then, the disease has been reported in Georgia, North Carolina, New Jersey, Ontario Canada, and now Ohio.

The disease is caused by the fungus *Neopestalotiopsis* and for lack of a better name is called Neopestalotiopsis disease. This fall, Neopestalotiopsis disease symptoms were observed in a new strawberry planting in Ohio. The fungus can infect all parts of the strawberry plant – fruit, leaves, petioles, crown, and roots. In the Ohio planting the fungus was isolated from lesions on the leaves but not from the crowns.

Leaf symptoms start as small brown lesions with light centers at the margins of the leaves (Figure 1). As the disease progresses, the lesions darken and expand to cover the entire leaf (Figure 2). The symptoms on the leaves can easily be confused with common leaf spot (*Mycosphaerella fragariae*), leaf scorch (*Diplocarpon earlianum*, *Marssonina fragariae*) and / or Phomopsis leaf blight (*Phomopsis obscurans*). However, Neopestalotiopsis disease symptoms progress much faster than those of common leaf spot, leaf scorch or Phomopsis leaf blight, especially when conditions are wet and cool. Unlike these other foliar diseases of strawberry, *Neopestalotiopsis* sp. can cause fruit lesions. On the fruit, the lesions are brownish- black, irregular shaped and sunken (like anthracnose fruit rot but without the salmon color spores!) (Figure 3). Black fruiting bodies that allow the fungus to survive for extended periods of time form in the center of leaf and fruit lesions.

The disease is favored by warm (60 to 85 degrees F) and wet (high humidity or rain) conditions. Spores (Figure 4) are dispersed by water splashing from overhead irrigation or rain. Working in the field when conditions are wet can also move the spores around the field. The fungus is most likely introduced into the field via infected but asymptomatic nursery transplants or bare roots as reported in Georgia and North Carolina. It is unknown if the pathogen can overwinter in northern environments such as New Jersey, Ohio or Ontario, Canada.

The disease has been reported on 'Albion' and 'Ruby June' in Ontario and Ohio, respectively. Studies to determine the susceptibility of other varieties are needed as are studies to determine if the fungus can overwinter in Ohio or other northern strawberry growing regions.

Until we know more about this aggressive disease, growers should inspect their plants for symptoms and signs of the pathogen, scout newly planted field regularly, especially during conducive weather conditions, and report suspect symptoms to their local Extension Educator or Extension Specialist. Fungicide applications (i.e., Thiram or Switch) to bare roots, transplants or at transplanting are recommended. Fungicides for control of fruit rot have been evaluated in Florida (see go.osu.edu/flneopestalotiopsisfungicidestudy) but research is needed to determine the most effective fungicides for controlling this Neopestalotiopsis disease in Ohio.

The best way to identify this new disease is to send samples to a plant disease diagnostic lab. Commercial growers can send samples to the attention of Dr. Francesca Rotondo or Dr. Melanie Lewis Ivey at the Vegetable and Fruit Diagnostic Laboratory (u.osu.edu/fruitpathology) in Wooster, OH, for a prompt diagnosis and management recommendations.



Figure 1. Foliar symptoms of *Neopestalotiopsis* disease are shown on the leaf in the red circle. Common leaf spot can be seen on the leaf outside of the red circle.



Figure 2. Late-stage foliar symptoms of *Neopestalotiopsis* disease.



Figure 3. Signs and symptoms of *Neopestalotiopsis* spp. Photo courtesy of Dr. Natalia Peres, University of Florida.

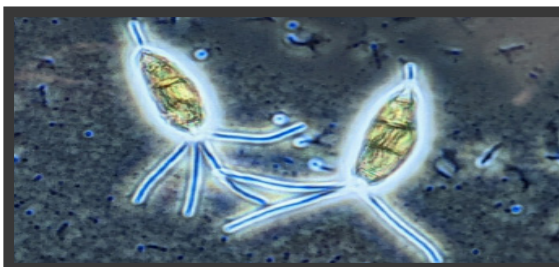


Figure 4. Spores of *Neopestalotiopsis* spp. isolated from strawberry leaves with symptoms of *Neopestalotiopsis* disease.

Beef Quality Assurance Certification

**TUESDAY, FEBRUARY 8th,
7 – 8:30 P.M.**

Harrison County Fairgrounds
Commercial Building
550 Grant Street, Cadiz, OH 43907

**Pre-registration required. Register by
calling 740-461-6136.**

Can't make it to this training? Visit www.bqa.org to get BQA certified online. Online training consists of series of lessons and quizzes to become certified. Training will take ~2 hours.

Pastures for Profit

ONLINE COURSE & Webinar Series

COMING FEBRUARY 2022

The virtual Pastures for Profit course will consist of three 90-minute webinars offering a variety of pasture and grazing topics. Once registered, attendees will be granted access to the online course including the webinars and complementary resources. Participants that attend all three webinars will have the opportunity to earn a certificate of completion. Registered participants will also receive a USB drive of the traditional course by mail.

Cost of the course is \$50, which includes the Pastures for Profit manual. Current and new members of the Ohio Forage and Grasslands Council are eligible for a \$10 discount on registration. Registration link will be available soon on jefferson.osu.edu.

Cooperative Connection

Forages for Horses



ONLINE COURSE & Webinar Series

The virtual Forages for Horses course will consist of three 90-minute webinars offering a variety of pasture and management topics. Once registered, attendees will be granted access to the online course including the webinars and complementary resources. Participants that attend all three webinars will have the opportunity to earn a certificate of completion. Registered participants will also receive a USB drive of the traditional course by mail.

Thursday, January 20th 7:00 PM

Hay Analysis and Feeding Different Classes of Horses

Thursday, February 17th 7:00 PM

Nutrition and Parasites

Thursday, March 17th 7:00 PM

Pasture and Weed Management, Soil Fertility, and Species Selection

Cost of the course is \$75 which includes a digital copy of the Forages for Horses Manual. A physical copy may be added to cart at checkout. Current and new members of the Ohio Forages and Grasslands Council are eligible for a \$15 discount on registration.

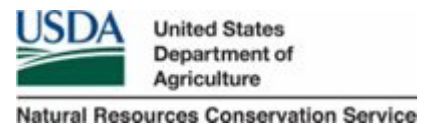


Register at

go.osu.edu/foragesforhorsesregistration

or scan the QR code on left

This
program is
hosted by:





JEFFERSON & HARRISON COUNTIES

2022 Cattle Management School

Join OSU Extension 7pm – 9pm (*except for where otherwise noted) for these exciting sessions that cover topics from tick-borne and needle transferred diseases to the science of good grilling.

ZOOM SESSIONS

Monday, February 7th

Managing Bloodborne Pathogens in Cattle

Guest Speaker: Tim McDermott, DVM, Extension Educator – Ohio State University Extension
Zoom - register at go.osu.edu/cms1

Tuesday, February 22nd

Apps for Producers – Deciding Which Work Best for You

Guest Speaker: Dr. Brian Arnall, Professor, Extension Specialist for Precision Nutrient Management – Oklahoma State University
Zoom - register at go.osu.edu/cms2

Tuesday, March 22nd

Forage Genetics: Advanced Level

Guest Speaker: Dr. Timothy Phillips, Associate Professor - University of Kentucky Department of Plant & Soil Sciences
Zoom - register at go.osu.edu/cms3

IN-PERSON SESSION

Tuesday, April 5th, *5-9pm

Grill Smart (Hands-on session using grills!)

Guest Speaker: Garth Ruff, Beef Specialist – Ohio State University Extension
*This session is in-person only
PRE-REGISTRATION REQUIRED
Cost \$20/person to cover materials including grilling supplies
Payment due at registration
Payments will NOT be accepted at the door
SPACE LIMITED TO 20
Location TBA, Rayland, OH
Register by calling 740-461-6136 or email lyon.194@osu.edu



Your browser can't play this video.
[Learn more](#)

Video not working? View on YouTube:
https://youtu.be/YOi4hO_ncoU



2022 OSU Beef Team Virtual Beef School ▪ Monday Evenings 6:00p.m.

January 24

Beef Markets and Outlook

Dr. Andrew Griffith,
University of Tennessee
Extension Livestock Economist

February 21

Weather Impacts on Beef Production

Climate and Livestock
Dr. Aaron Wilson, OSU Extension Climatologist
Mud Impacts on Cow-Calf Performance
Kirsten Nickles, PhD Candidate, OSU Animal Sciences

March 21

Herd Health Management and Update

Dr. Justin Kieffer DVM
OSU Animal Sciences

April 11

Beef Team Live Roundtable

Ask Questions and Discuss Answers with
OSU Extension Beef Team Members

Register at: go.osu.edu/beefschool22
Details about all winter beef programs at beef.osu.edu
One Registration Link for all 4 Sessions - Contact: Garth Ruff, ruff.72@osu.edu



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



FARM OFFICE *Live*

Learn the latest in farm management

Farm Office Live returns virtually this winter as an opportunity for you to get the latest outlook and updates on ag law, farm management, ag economics, farm business analysis and other related issues from faculty and educators with the College of Food, Agriculture and Environmental Sciences at The Ohio State University.

Farm Office Live provides the latest outlook and updates on ag law, farm management, ag economics, farm business analysis and other issues dealt with in your farm office. Targeted to farmers and agri-business stakeholders, our specialists digest the latest news and information and present it in an easy-to-understand format.

Who's on the Farm Office Team? Our team features OSU experts ready to help you manage your farm office:

Peggy Kirk Hall -- agricultural law,
Dianne Shoemaker -- farm business analysis and dairy production,
David Marrison -- farm management,
Barry Ward -- farm management and tax

Register at go.osu.edu/farmofficelive
We look forward to you joining us this winter!

Each Farm Office Live will start off with presentations from our experts and then we'll open it up for questions from attendees on other topics of interest. Viewers can attend "Farm Office Live" online each month on Wednesday evening or Friday morning, or can catch a recording of each program.

January 19	7:00 - 8:30 pm
January 21	10:00 - 11:30 am
February 16	7:00 - 8:30 pm
February 18	10:00 - 11:30 am
March 16	7:00 - 8:30 pm
March 18	10:00 - 11:30 am



SPOTTED LANTERNFLY MANAGEMENT WORKSHOPS

Join us to learn more about identifying, monitoring, and managing the newly invasive Spotted Lanternfly. Two sessions each day will be provided to cater towards commercial growers and homeowners. Please select your preferred session and location in the registration link. Commercial growers will receive Pest Ed recertification credits for attendance.


MARCH 3 | APRIL 11
COMMERCIAL GROWERS 2:30 - 4:30 PM | GENERAL PUBLIC 5 - 7 PM

Location: TBD (Geneva Mar 3, Findlay Apr 11)

Register at go.osu.edu/22slfworkshops

Cost: Free to attend

Contact information:
Maria Smith
(smith.12720@osu.edu)
or Amy Stone
(stone.91@osu.edu)



Happy 2022!

from Jefferson County 4-H

This issue contains important information on enrollment, trainings, Iron Chef, project contacts, camps, accommodations and more!



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

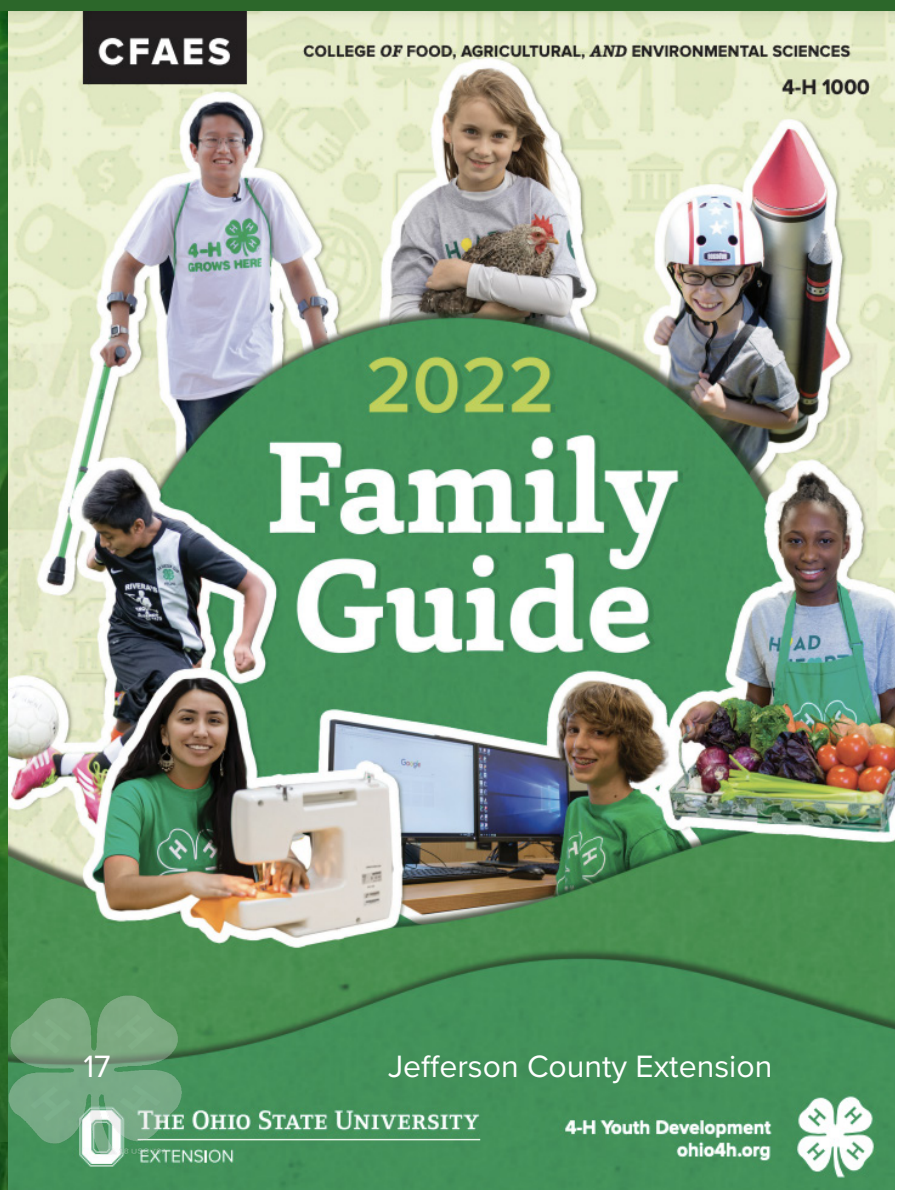


PICK YOUR PROJECTS FOR 2022!

Download the new
Family Guide:

**[ohio4h.org/
familyguide](https://ohio4h.org/familyguide)**

Cooperative Connection



CFAES COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES
4-H 1000

**2022
Family
Guide**

17

THE OHIO STATE UNIVERSITY
EXTENSION

Jefferson County Extension

4-H Youth Development
ohio4h.org



2022 CALENDAR OF EVENTS

JANUARY 29th	4-H Advisor & Volunteer Training Year-End Awards Presentation Clothing Consignment Closet (NEW!)
FEBRUARY 26th	Hippology, Horse Bowl & Horse Judging Clinic Communications Contest (Oral & Poster)
APRIL 9th	Horse Bowl
JUNE 13th	Hippology & Horse Judging Contest
JULY 18th-22nd	Ohio State Fair Junior Horse Show Horse Skillathon (Date TBD)
AUGUST 27th	Groom & Clean Contest
SEPTEMBER 9th-10th	Competitive Trail Ride
DECEMBER 3rd	Ohio 4-H Horse Judges Clinic

For more information, visit www.horse.osu.edu

The 2022 Project Book Order Form for head club advisors is now available at jefferson.osu.edu/program-areas/4-h-youth-development/forms

These forms will only be accepted with a head advisor's signature.

Club checks are the preferred method of payment for project books.

No books may be returned after purchase, even if a child drops a project.

2022 Winter Update and Dance Schedule

February 12, 2022 5:00-10:00 PM @ Jefferson County JVS

**Watch WTOV9
for any weather
related
cancellation*

- 5:00 Introductions
- 5:15
 - 4-H Volunteer Training (Only if you missed the virtual training)
 - 4-H Club Officer Trainings
 - Cloverbud Camp
- 6:00
 - Market Animal/Lactating Animal Quality Assurance
 - EQUISTEPS INTRODUCTION/Horse Quality Assurance

Required for first year horse members, suggested for all horse members.)

 - Cloverbud Camp Continuation
- 7:30 Dance
- 8:00 Pizza Delivered
- 9:30 Clean Up (Community service for clubs - call if interested)
- 10:00 Time to Travel Home

Pizza/Water will be provided by the 4-H Committee. Other food may be available for sale throughout the event.

Proceeds will benefit the programs of the Jefferson County 4-H Committee.



2022 IRON CHEF CLINIC

March 26 from 1:00-4:00 PM @ Jefferson County JVS

IT'S TIME FOR THE IRON CHEF CLINIC!!!! This great event allows 4-H members to show off their culinary skills. Taken from the TV show with the same name, Iron Chefs prepare dishes using a common main ingredient to see who can come up with the best product. This is your opportunity to show us your culinary skills.

YOUR MENU ITEM FOR 2022: CITRUS

This can include orange, lime, lemon or grapefruit or any combination thereof.

Cloverbuds are making smoothies using citrus.

As an addition to our contest, you must design and bring in an educational placemat with information about the citrus you use.

Your recipe will be judged in one of 3 categories: Appetizer, Main Dish or Dessert. Please list your category on the registration form. Categories may be divided into sub-categories based on the number of entries.

4-H clubs competing will prepare a dish ahead of time and bring a recipe to serve 2 judges. All dishes will be judged based on the rubric found using the link below. You must also bring enough for at least 20 "tastes" for the tasting session following judging and paper/plastic products for serving.

Any member interested in joining the fun and participating in this competition is WELCOME! 4-H members can earn points that will apply toward their Honor Member status by participating.

Registration form and additional information available at

jefferson.osu.edu/program-areas/4-h-youth-development/forms

ENTRY RULES:

1. Your club may enter up to the number of teams you get when you divide the number of members in your club (not Cloverbuds) by 5. You may have one extra team if the number does not divide evenly. If a club has only one person wanting to compete, that youth may join a team from a different club.
2. Teams must have at least 2 members, but not more than 5.
3. Each team may only enter 1 dish in 1 category.
4. Entry fee is \$5.00 per team.

DEADLINE FOR ENTRIES: March 4, 2022

Jefferson County Extension



MO4-H'er 2022

So you want to be MO4-H'er 2022... here is what you need to know!

- There are two categories. These are based on age in 4-H years, or as of January 1:
junior (ages 9 – 13)
senior (ages 14-18.)
- A 4-H member must have completed the previous year in 4-H having been named a gold member in order to compete.
- You must download a 2022 Ohio 4-H Achievement Record from ohio4h.org/awardsandscholarships
- Fill the form out in detail. It must be typed. Go back at least three years while inputting information.
- Participate in a judged competition at either Contest Day or Project Judging Day.
- By 4 PM, September 15th, you must turn in an updated achievement form complete with your 2022 accomplishments to the OSU Extension office. This form must be USPS mailed or delivered by hand. No emailed or faxed forms will be accepted. If you are using regular mail, please allow time for your form to be received.
- Attend and participate in an interview the evening of Oct. 3 at the OSU Extension Office, 500 Market Street, Suite 512, Steubenville. Interview times will be assigned the week of Sept 20. No interview will start before 4:30 PM. All interviews must be in person and on the date scheduled.
- Attend the 4-H annual meeting and banquet (date TBA) to be recognized for your effort. Award winners will be announced at this event.

#TrueLeaders



Cooperative Connection

Most Outstanding Exhibitor Guidelines 2022

MOE 2022 process, scoring and rules

1. Declare participation by turning in a current 2022 Ohio 4-H Achievement Form and cover letter stating the species for which you are applying to the OSU Extension by 4 PM, May 1. Form must be received by this time. Only hard copies will be accepted. No email, faxes, etc. If you are mailing the form via United States Postal Service, please allow time for it to be received in the OSUE office by this date.
2. Review the following scoring guidelines for MOE Contact allison.325@osu.edu if anything is unclear.

A. Clinic 50 Points

Must be a Jefferson Co. event. These will be held in May. Preregistration will be required in April. Participant receives total points if they attend for the entire county clinic. A MOE contestant can receive half points for leaving early or attending a different outside of county event. If a Jefferson County event is not offered for the specie in which the participant is competing, the participant may only then look for an out of county or virtual event with the expectation of receiving full credit.

B. Ohio 4-H Achievement Form 50 Points

50 Points for a complete achievement form that follows all guidelines sent down by Ohio 4-H. Points will be subtracted for incomplete or sparse areas in comparison to other contestants.

C. Skillathon 100 Points

Actual score up to 100 pts, participant receives the points they earned in the Skillathon.

D. Contest Day Species Achievement Interview 100 Points

1st. place interview will receive 100 Points, 2nd = 90 Points, 3rd = 80 Points, etc.

E. Showmanship 100 Points

1st. place in class will receive 100 Points, 2nd = 90 Points, 3rd = 80 Points, etc. Note: Automatic qualifiers for Supreme Showmanship receive 100 Points

F. Supreme Showmanship 10 Points

1st. Place in class will receive 10 Points, 2nd = 8 Points, 3rd = 6 Points, 4th = 4 Points, & 5th = 2 Points

G. Books 50 Points

50 Points for complete book, Book reviewers can choose to take points off for incomplete books. It is recommended that you include all pictures, feed tags, charts, etc. A MOE contestant should not turn in incomplete books with the expectation of winning. Final reviewers can choose to not award an MOE in a certain category if no contestant has turned in a completed book.

H. Tie Breaker - Highest Showmanship & Supreme Showmanship score, followed by Skillathon score, followed by Interview score

3. Turn in your completed project book at the start of the 4-H awards ceremony. This ceremony is held on the Sunday at the start of the Jefferson County Fair. There will be a box at the gazebo for all project books. Books will be turned over to the MOE review committee directly following the conclusion of the 4-H awards ceremony.
4. Be at the show arena 15 minutes before the start of the junior fair livestock auction on Saturday of the Jefferson County Fair. You will be congratulated on being a participant and awardees will be announced.
5. Good luck! Have fun! Demonstrate your good sportsmanship!

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



VIRTUAL QUALITY ASSURANCES FOR 2022

Feb 21 – 7 pm Virtual Livestock Quality Assurance – 4-H Varieties, 43 Ramblers, Appalachian 4-H’ers, Bits N Pieces, Broken Fences, Buckeye Variety, Country Classics, Country Kids. Names and club must be added to the box. You must be engaging with the presenters during QA, AND we must see your smiley face the entire time for credit. We will remove you from the session if you are not cooperating. So ... no playing video games and watching TV while participating. Please join a different virtual session if you can not attend this one.

Feb 22 – 7 pm Virtual Livestock Quality Assurance – Country Rangers, Country Roadrunners, Country Shamrocks, Cross Creek Tomahawks, The Dirt Diggers, Free Spirits, Friends & Neighbors, Golden Horseshoe. You must be engaging with the presenters during QA, AND we must see your smiley face the entire time for credit. We will remove you from the session if you are not cooperating. So ... no playing video games and watching TV while participating. Please join a different virtual session if you can not attend this one.

Feb 23 – 7 pm Virtual Livestock Quality Assurance – Happy Hooves and Fancy Feathers, Liberty Guys & Gals, Purple Circle, Ribbons & Wranglers, Steubenville City Seedlings, Sunrise Lads N Lassies, Town & Country, Warren Ridge Wranglers, Wildwood Critters, Windy Ridge. You must be engaging with the presenters during QA, AND we must see your smiley face the entire time for credit. We will remove you from the session if you are not cooperating. So ... no playing video games and watching TV while participating. Please join a different virtual session if you can not attend this one.

IN-PERSON LIVESTOCK QUALITY ASSURANCES

Feb 12 - 6 pm JVS, No pre-registration required

April 8 - 6 pm Last free QA, in person, Jefferson County Fairgrounds Kitchen. Pre-registration required at allison.325@osu.edu.

April 18 - 7 pm \$25 last chance, in person Livestock Quality Assurance, Jefferson County Fairgrounds kitchen. Pre-registration required at allison.325@osu.edu.



County Chosen Camps applications are due to the Extension Office no later than 4 pm, January 14. This is a paper application. It can be accessed on our [county 4-H Forms webpage](#), but one was emailed to all of last year's 4-H families on or before Dec. 1. USPS sent applications must be received by this time. Emailed applications will not be accepted. We prefer that you drop off applications in person. Please, plan accordingly.

Junior Leaders sign-ups are available starting January 14. The program will be open to all youth ages 14 and up. This is a committee of youth making recommendations to the 4-H Committee and assisting with events outside of camp. The committee will meet for the first time at 5 pm Monday, February 28 at the OSU Extension office. Members are welcome to join until March 1. Email allison.325@osu.edu for more information. There is no selection process for this group, just a willingness to be involved and help!

Piedmont Camp Counselors Trainings

February 21 – 1st Camp Counselor training 9 am to 3pm at OSU Extension office, 2nd Floor Meeting Room. This is for all 2022 Piedmont Camp Counselors. Camp counselors are required to participate to be eligible for camp counseling for 2022. If you can not attend you must make up the hours with online-training.

March 29-30 - 5-8 pm, camp counselor first aid/ CPR/bloodborne pathogens training. Required for all 2022 counselors. Certifications acquired through The American Heart Association. Total cost \$65 per youth for all three trainings. Fee covers study guides, practice tests, masks, instructors' fees and the certification cards. Guardians can make their check made out to the Jefferson County 4-H committee. Fee is due the first evening of training. No cash. If a counselor is unable to attend either evening, he/she can not participate, as partial certifications are not available. If unable to participate, the counselor will be assigned 6 hours of online training modules in lieu of the training. Certifications earned will be viable for 2-years. Participants may bring his/her own prepackaged snacks and a bottle of water. We are sorry but no outside participants can be accommodated.

Advisors Mark Your Calendars!

January 19 7 pm - Advisor Training Virtually. Send an email to allison.325@osu.edu to receive a link.

January 31 - Financials and club charters due to the Extension Office by 4 pm. This is required for Honor Club status in 2022.

February 12 – In-person advisor training at JVS Winter Update for those who missed the virtual event

March 15 – Enrollments due for honor club status

April 15 – Last day for enrollments

May 1 – Last day to add/drop projects



2022

4-H Online Enrollment

You are reminded that on Jan. 1, 4-H enrollment begins IF YOU ALREADY HAVE AN ACCOUNT in 4-H online, you can access the enrollment site [here](#).

If a person is a new to 4-H member or a returning member after taking a year or 5 off from the program, please have that person fill out the paper 4-H enrollment registration form and we will create an account.

The form can be found on our county [website](#). Following this process, the new youth member can choose projects in the online system.

We asking advisors to follow this process so that parents do not create three, four and five accounts. It is difficult to delete the extra accounts after they have been created.

Happy Holidays! We are looking forward to a great 2022 4-H year!

SPECIAL NEEDS ACCOMMODATIONS

Meeting and competition accommodations can be made for youth with disabilities through [The Ohio State University Extension Winning Plan Form](#). To make an accommodation request for a Jefferson County 4-Her, complete the Winning 4-H Plan Request Form found at the link below and send it to allison.325@osu.edu. Please email all forms by June 1. The forms are located at the bottom of the page, after clicking the link. <https://ohio4h.org/about/join-4-h>

2022 Jefferson County Fair Code of Conduct

The [Jefferson County Fair Code of Conduct and the Agricultural Society Release Form](#) are now available to complete with the link being provided on the OSU Extension – Jefferson County 4-H Facebook Page. These Forms are due June 1 and are required to be read and signed by all youth/guardians who plan to exhibit at the Jefferson County Fair in 2022.

Window Decorating Contest

Let's get the word out about
4-H!!

March 6 – Window decorating
in place – 2022 theme “Find
Your Spark In 4-H!”

Cooperative Connection

Jefferson County Extension

2022 4-H OVERNIGHTER

@ the Millsop

THE OVERNIGHTER IS FOR 4-H YOUTH AGES 9 THRU 18 - NON-4-H MEMBERS CANNOT ATTEND. IF YOU ARE SENDING SOMEONE TO THE OVERNIGHTER THAT IS NEW TO 4-H IN 2022, YOU MUST SEND A TRADITIONAL COMPLETED ENROLLMENT FORM WITH THE REGISTRATION, A COMPLETED HEALTH FORM (ALL 3 PAGES WITH PHOTO) AND THE NEW MEMBER MUST PAY A \$20.00 SURCHARGE PLUS THE \$10.00 FEE TO ATTEND. MEMBERS MUST BE IN CLUB BEFORE DECEMBER 31, 2021 TO BE EXCLUDED FROM THIS NEW SURCHARGE.

The Overnighter will begin on **Friday, January 28th at 11:00 PM** and end on **Saturday, January 29th at 6:00 AM** at the Millsop Community Center in Weirton.

COST: \$10.00 fee for 1st 4-H member of a family attending and \$5.00 for any other 4-H member of the same immediate family attending. There will be a \$5.00 fee for each adult registration.

- Checks should be made payable to "Jefferson County 4-H Committee".
- NO REFUNDS CAN BE MADE AFTER JANUARY 14.

NOTE: For every five (5) youth registered, you must register one adult! All adults attending must choose a job duty from the sheet, or one will be assigned.

THIS EVENT IS LIMITED TO 200 PEOPLE. THIS IS A MILLSOP RULE! THIS IS NOT A 4-H RULE! Payments are due on or before January 14th. Absolutely no reservations or money will be taken after this date.

NO CLOVERBUDS MAY ATTEND. ONLY 1 ADULT PER 5 YOUTH MEMBERS. WE ARE ASKING THAT FOOD BE PREWRAPPED AND PRE-PORTIONED. NO ROSTERS FULL OF FOOD TO PASS OUT! STORE BOUGHT PIZZA IS OK IF YOU ARE SERVING IT WITH FOOD GRADE GLOVES TO ONLY YOUR CLUB MEMBERS. REMEMBER, WE ARE STILL BATTLING COVID AND ITS VARIANTS.

No Overnighter packet will be mailed. The rules and health form can be found at jefferson.osu.edu/program-areas/4-h-youth-development/forms

Remember: A *completed health form* must be turned in with your Overnighter registration. We will not accept late health forms. NO health form with photo = no reservation.

ATTENTION 2022 CAMP COUNSELOR HOPEFULS ... Call Angie at 740-264-2212 if you would like to help with the Overnighter.

LESLIE'S CLOVERBUD & J-FIT CORNER



Hello Cloverbuds,

Here's to a fantastic 2022. Did you know January is the month for new beginnings and the coldest month of the year. February is the shortest month of the year, with only 28 days in the month. However, a leap year is an exception - during a leap year, February has 29 days. The next leap year will be in 2024.

DON'T FORGET ABOUT CLOVERBUD CAMP AT WINTER UPDATE. Please register in advance as we can only take 30 kids due to limited space. Please call 740-264-2212 or email me at aftanas.2@osu.edu. Also, don't forget to email photos so I can send your beads out. Everyone - don't forget to bring pop tabs, we are still collecting them.

Leslie Aftanas

Can't wait to see all your faces soon! Happy New Year!

J-Fit Activities

This is for all 4-Hers' and Cloverbuds.

Build a snowman and **earn a snowman bead**. Did you know - The first snowman photograph was taken in 1853.

Go ice skating anywhere. Wheeling is giving \$1.00 off per person January and February if you wear a 4-H shirt. Hours are Friday and Saturday 7:30 PM until 10 PM and Saturdays and Sundays 1 PM until 4 PM. **Earn a mitten bead.**

Go sled riding and **earn a penguin bead**. As a heads up, dry snow is not good for making snowballs but is great for sledding!

Fun Bead-Collecting Activities for Cloverbuds

Put a puzzle together on a wintery night and earn a **puzzle bead**.

Catch snowflakes on your tongue. Did you know snowflakes have 6 sides and not one flake is alike. **Earn a snowflake bead.**

Send a card to a neighbor or a senior citizen for Valentine's day. That will make their day very bright. **Earn a heart bead.**

February 2 is Groundhog Day - the most famous groundhog, Punxsutawney Phil, may see his shadow during this day. Go to local library and read a book or color a coloring page and earn a **groundhog bead**.

Fun Facts - National Holidays in January & February 2022

January 4	Spaghetti Day.
January 14	Dress Up Your Pet Day.
February 12	Pizza Day - we will have pizza at the Winter Update.
February 25	Chili Day

January - February Word Search

Find the word in the puzzle.

Words can go in any direction.

Words can share letters as they cross over each other.

J E M F C U L J D V P P A Y I V Q F X O
K S T I C P C U V I H E A R T Z K S E H
P E R V X P H A V N Y O C L T H X N U Y
P O W G A I L W E Q K X Y K E A L O U X
R I S F F E Y Y G B M T P R H B A W T L
R Z K L N X R C V K N V W O G H B F Q P
K I M T E W A K M D N Q K D A P E L D E
G O I G H D L C X J E K Q U P L B A R V
F N S S L G D G H W U H C B S E W K U Z
E O K G W X N I P I C R T F G J D E S T
I C E S K A T I N G L T A I D O U S H Z
F B G B M Q B G H G K I N E E X B S I M
T O S W L P I Z Z A B N N T Y K R Y C X
M C O W L I Y M A D I Z Q F H M E R D D
R N D B L F H R J N D B I E M I V M N J
S F N P I T X P G U F M Z H G M O W C N
Y C Y D H K Y S B G J O E N T Z L O A S
I D Z I P V T U J Q K W N O U E C V M L
G V D A W O M L Y Z V X S D Y N A U P Q
Y L G W E N G O H D N U O R G Q G Z Y C

BEGINNINGS
CLOVERBUD
NEW
PIZZA
SNOWMAN
YEAR

CAMP
GROUNDHOG
PET
SLEDDING
SPAGHETTI

CHILI
ICESKATING
PHIL
SNOWFLAKES
VALENTINE



JANUARY

1/1	4-H online enrollment begins <u>Jefferson County Fair Code of Conduct & Agri. Society Release online form opens</u>
1/6	<u>Soil Health Webinar Series</u>
1/8	Ohio Junior Fair Conference
1/11	4-H Committee Meeting
1/14	4-H New Camp Counselor, <u>Chosen Camps applications</u> , <u>Overnighter reservations due</u> <u>Junior Leaders sign-ups</u> available
1/15	DNA/EID kits due
1/17	Martin Luther King Jr. Day - office closed
1/18	Last day to register via Extension office for 4-H MXC Camp
1/19	<u>Farm Office Live 8:30 PM</u> <u>4-H Advisor Training</u> (virtual) 7 PM
1/21	<u>Farm Office Live 10 AM</u>
1/20	<u>Forages for Horses Webinar #1</u> 7 PM
1/24	<u>Beef Cattle & Livestock Market Outlook</u> 6 PM
1/26-28	<u>Greenhouse Management Workshop</u> 9 AM - 1 PM
1/28	<u>4-H Overnighter</u> at Weirton Millsop
1/31	<u>Pesticide & Fertilizer Exam</u> 9 AM Financials and 4-H club charters due

*Dates subject to change



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

SEASON CALENDAR

FEBRUARY

2/1	<u>Pesticide Study Session</u> 7 PM
2/3	<u>Soil Health Webinar Series</u>
2/4	Last day to request to attend Ohio 4-H Conference
2/7	<u>Cattle Management School Session #1</u> 7 PM
2/8	<u>Beef Quality Assurance</u> , Harrison County Fairgrounds 7 PM
2/12	<u>4-H Winter Update & Dance</u>
2/15	<u>Pesticide & Fertilizer Exam</u> 9 AM State 4-H Scholarship Applications, Camp Commitment forms due
2/16	<u>Farm Office Live 8:30 PM</u>
2/17	<u>Forage for Horses Webinar #2</u> 7 PM
2/18	<u>Farm Office Live 10 AM</u>
2/19-20	MXC Counselor Workshop
2/21	<u>OSU Beef School</u> 6 PM 1st Camp Counselor Training 9 AM <u>Youth Livestock Quality Assurance</u> (virtual) 7 PM
2/22	<u>Cattle Management School Session #2</u> 7 PM <u>Youth Livestock Quality Assurance</u> (virtual) 7 PM
2/23	<u>Youth Livestock Quality Assurance</u> (virtual) 7 PM
2/28	<u>4-H Club Window Decorating</u> locations due 4-H Junior Leaders Meeting 5 PM 4-H subcommittee meetings starting at 6 PM

Visit 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!

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