

Cooperative **CONNECTION**

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

MAY - JUNE 2023

ATTENTION BACKYARD FLOCK OWNERS!

From the OSU Veterinary Extension Bird Flu Brochure

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. 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. (continued on page 3)



4-H CAMP COUNSELORS HOLD FIRST COUNSELORS CAMP!

By: Angie Allison, 4-H Educator

More than 30 camp counselors, camp staff and Extension staff held the first ever Jefferson County Camp Counselors event May 6-7 at Camp Elkhorn Valley! Attendees enjoyed chili cooked over a fire, smores, hobo pies! They participated in a high ropes course, fishing, primitive fire building class, Flintstone baseball, camping in tents, and a hike all while finishing preparations for this year's junior camp. There are currently 125 people signed up to enjoy the Shipwrecked-themed 4-H Camp June 4-7.



Agriculture & Natural Resources



Attention Backyard Flock Owners!

It's migration season! Make sure you are protecting your flocks from highly pathogenic avian influenza (HPAI) this spring and summer. Poultry that comes into contact with waterfowl or other wild birds are at greater risk of disease - waterfowl are known carriers and may spread disease even though they may be asymptomatic. Practice good sanitation and have a biosecurity plan for your flock.

Learn more on the following page



Schedule of Events

- | | | | |
|------|---|------|--|
| 5/11 | Pesticide & Fertilizer Exam @ Jefferson County Towers Building, Steubenville | 6/15 | Ohio Certified Volunteer Naturalist Course Begins! |
| 5/13 | Jefferson & Harrison Master Gardener Plant Sale @ Fort Steuben Mall, Steubenville | 6/22 | Hydrology & Aquatic Life via Zoom |
| 5/20 | Master Gardener Booth & Seed Distribution @ the Homestead Rendezvous, Bergholz | 6/29 | Geology & Soils Workshop @ Toronto Cemetery Trail, Toronto |
| 5/27 | Landscape Design 101 @ Harrison County Fairgrounds, Cadiz | 7/13 | The Woods In Your Backyard Workshop @ Givens Tree Farm, Bergholz |
| 6/2 | Small Ruminant FAMACHA & Integrated Parasite Management Workshop @ Bargar Farm, Cadiz | 7/17 | Pesticide & Fertilizer Exam @ Jefferson County Towers Building, Steubenville |
| 6/5 | Pesticide & Fertilizer Exam @ Harrison County Fairgrounds, Cadiz | 7/20 | Wild Mushrooms and Plants of Eastern Ohio |
| 6/13 | Vegetable Production Tour @ It's All Good Farm, Smithfield | 7/27 | Insects & Other Macroinvertebrates @ Harrison County Fairgrounds |

ATTENTION BACKYARD FLOCK OWNERS!

From the OSU Veterinary Extension Bird Flu Brochure

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.

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).



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

A: 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?

A: 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.

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.

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.



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

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.

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.

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*

**OHIO POULTRY
ASSOCIATION**





FARM ON FINANCIAL MANAGEMENT COURSE OFFERS FARMERS, RANCHERS TRAINING TO MEET NEW PROGRAM REQUIREMENTS

By Tracy Turner, Writer, College of Food, Agriculture & Environmental Sciences, Ohio State University

COLUMBUS, Ohio—A new online farm management course offered by The Ohio State University College of Food, Agricultural, and Environmental Sciences (CFAES) will help Ohio's beginning farmers qualify for the requirements of the Ohio Department of Agriculture's Beginning Farmer Tax Credit program.

Called Farm On, the self-paced, on-demand farm financial management course was created by Ohio State University Extension professionals and is offered through OSU Extension's new Farm Financial Management and Policy Institute (FFMPI), said Eric Richer, assistant professor and OSU Extension field specialist in farm management. OSU Extension is the outreach arm of CFAES.

"The Farm On financial management course was created to address the needs of Ohio's new and beginning farmers who want to better prepare themselves to operate a commercial farm in Ohio and do that with a high level of economic stability while remaining profitable and responsible at every step along the way," said Richer, who is the lead instructor for the Farm On course. "We believe Farm On will be a great deliverable to Ohio's agriculture industry because it is on-demand, self-paced, and taught by Ohio State's expert farm management instructor."

What's unique about the Farm On course is that, not only does it comply with the regulations of the new Ohio House Bill 95 Beginning Farmer Tax Credit program, it also meets the borrower training requirements for the U.S. Department of Agriculture Farm Service Agency's Beginning Farmer and Rancher Loan Program, Richer said.

The Farm On course includes multiple video lessons, 10 quizzes, 10 exercises, individual and group consultations, and a 10-module course that covers the following topics:

- Farm Business Planning
- Balance Sheets
- Income Statements
- Cash Flow Projections
- Calculating Cost of Production
- Farm Record Keeping
- Farm Taxes
- Farm Financing
- Risk Management
- Farm Business Analysis

The Farm On course allows CFAES to serve the needs of farmers through OSU Extension and our FFMPI, said Cathann A. Kress, Ohio State vice president for agricultural administration and dean of CFAES.

"We are excited to partner with ODA and USDA-FSA to address the farm financial training that is required for running a farm business," Kress said. "Currently, we are the only educational institution in Ohio with a course like 'Farm On' that qualifies for ODA's Beginning Farmer Tax Credit program and FSA's Borrower Training Requirements.

"As part of our land-grant mission, CFAES educates not just college students but over 2 million individuals across the lifespan."

FARM ON continued...

The Ohio House Bill 95 Beginning Farmer Tax Credit program went into effect in July 2022 and grants a 3.99% tax credit to landowners who sell or lease assets to a certified Ohio beginning farmer. The new law also allows an Ohio tax credit to the certified beginning farmer equal to the cost of the financial management course completed, Richer said. The Farm On course costs \$300 per person."

Ohio State's Farm On course is a great way to help Ohio farmers qualify for ODA's new Beginning Farmer Tax Credit program, which is an important tool to help current, beginning farmers and potential, future farmers do what they do best," said ODA Director Brian Baldridge. "We are thankful for this partnership that is helping to keep Ohio's hard-working farmers at the forefront."

Ohio State's Farm On course is now 1 of 5 approved vendors for borrowers in Ohio, said Darren Metzger, Ohio Farm Service Agency loan chief. "The course is in-depth financial management training that can assist our borrowers to obtain and/or improve their knowledge in this critical area of farm management," Metzger said.

The Farm On program is part of CFAES' new FFMPI, which was created last year with the goal of sharing resource-based knowledge and best practices to help Ohio farmers manage their businesses as the agricultural industry changes and evolves. Housed within OSU Extension, the goal of FFMPI is for the integration, translation, and communication of CFAES' farm management and ag policy presence that addresses critical farm management and policy issues affecting Ohioans.

Farm On is meeting a need of today's modern crop farmers, and it's packaged in a way that respects the busy schedules of family farmers," said Tadd Nicholson, executive director of Ohio Corn and Wheat. "It's this type of tangible benefit that earns the support of Ohio's corn and small grains checkoff funds. We are proud to partner with OSU Extension on this important new institute."

Farm On, which is just one of the programs offered through the new FFMPI, isn't just for new and beginning farmers, said Peggy Hall, CFAES agricultural and resource law specialist and a Farm On instructor.

"This course provides an opportunity for any farmer in Ohio, whether you're a new farmer, a seasoned farmer, a small farmer, or a large farmer," Hall said. "For a long time, we've needed to have this course in Ohio because farm management is so critical to ensuring the future of our farms."

To sign up for Farm On, go to go.osu.edu/farmon.

Keep an eye out for spotted lanternfly nymphs...Help us spot spotted lanternfly! Contact the Ohio Department of Agriculture at 614-728-6201 or use the Great Lakes Early Detection Network (GLEDN) App to report sightings of this insect!



Cooperative Connection

Diagnostic Support for Ohio Specialty Cut Flower Growers

Cut flowers are a very important component of the U.S. floriculture industry, surpassing \$382 million in annual national sales with Ohio alone accounting for over \$2 million (NASS, 2020). These data do not include the contributions of small-scale growers with sales less than \$10,000, which represent many cut flower growers in North America, including Ohio. Although flower crops imported from offshore account for the majority of purchases, the industry is facing an increase in popularity and consumption of locally grown "specialty cut flowers", which include crops that cannot ship well or have a short postharvest life. This market boost parallels the growth experienced by the Association of Specialty Cut Flower Growers (ASCFG) as its membership increased more than 100% in the last five years.

The Ornamental Crops Pathology Laboratory at The Ohio State University (u.osu.edu/handlab) has received a grant from the Ohio Department of Agriculture to support Ohio's specialty cut flower industry..

The goals of this project are to assess what plant diseases are most frequently impacting profitability in Ohio's specialty cut flower farms and to develop research and outreach resources for disease identification and management. As part of this grant, Dr. Francesca Hand's laboratory in Columbus, OH is offering free disease diagnostic services to specialty cut flower growers in the state through August 2024

If you are a specialty cut flower grower and are interested in taking advantage of this service, please contact Dr.

Francesca Hand (email: hand.81@osu.edu | phone: 614-292-1293) for instructions on how to submit a sample. Data collected through this project will be used to develop a disease diagnostic guide that will be freely available to growers for download.





THE THRIVING FARMER

information to help farmers and their families make healthful choices

GIVE IT TO ME, NOW

by Joseph Maiorano, OSU Extension, Harrison County

The title is from a quote by Veruca Salt, the spoiled child in the movie, *Willie Wonka and the Chocolate Factory*. Whenever Veruca wanted something, which was quite often, she simply said those words to her daddy, and he did whatever to get that item for his covetous daughter. I suggest that the Verucas of the world, regardless of their gender, age, or occupation, might get easily frustrated when things do not instantly go their way.

I am not sure, but I think that there may be a connection between a child whose parent(s) gave him/her whatever that child wanted, and that child's getting frustrated when things don't go smoothly. Nevertheless, rather than examine the parent's possible role in his or her child's low frustration tolerance (Ellis & Harper, 1977), I will describe some tactics that the easily frustrated might use to be less frustrated.

I am one who sometimes has low frustration tolerance. For example, if I expect that that I will have an easy time on Saturday completing my to-do list, then when I realize that I don't have the needed tools for those jobs, then I might think that it's awful that I must take time away from getting things done to go shop for what I need. The word awful, which denotes extremely bad, suggests that I am thinking irrationally. Going to the store may be less than desirable, but it is not extremely bad. Irrational thinking is a block to problem solving.

Rational, or logical, thinking, suggests Ellis, is one way to help us improve such situations. For example, it is logical that I would FEEL disappointed or frustrated about taking time to go to the store, yet that trip to the store is one way that I can begin to shorten my to-do list.

For many people, including me, becoming a logical thinker takes much practice. Ellis recommends that when people feel frustrated, perhaps thinking irrationally, they might try substituting logical statements about how they are feeling.

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.

REFERENCES

Adapted from Maiorano, J. *Live Smart Ohio. Give it to me, NOW!* April, 27, 2018.

Ellis, A.; Harper, R. (1997). *A guide to rational living*. 3rd Ed. Chatsworth, CA: Wilshire Book Company.

Willy Wonka and the Chocolate Factory. Directed by Stuart, Mel. Performances by Gene Wilder, Peter Ostrum, Julie Dawn Cole [Veruca Salt], Warner Brothers, 1971.



Small Ruminant FAMACHA® & Integrated Parasite Management

Learn about parasite management in sheep and goats and receive your FAMACHA certification. Participants will get hands-on experience with parasite egg sampling in sheep.

Location: Bargar Farm,
36505 Deersville Rd
Cadiz, OH

**FRIDAY
JUNE 2ND
2023**

CFAES

9AM-3PM
Lunch included
Space is limited!

Cost:
\$20/person
Pre-registration
required - call
740-264-2212 to
register

IF I HAVE PEACH BLOOMS NOW - I'LL HAVE FRUIT...RIGHT?

by Eric Draper, OSU Extension, Geauga County

After that brutal punch of cold weather ripping through Northeast Ohio this past December 23rd through December 27th, inquiring minds want to know if we'll have peaches. How cold it was that night depends upon location, but official records indicate that Cleveland, Ohio dropped from the daytime high of 43°F to -4°F on the 23rd!! Then on December 24th the daytime high was 13°F and the low that night was -1°F!! There were two nights in January that had lows of 16°F, followed by two nights in February with lows of 12°F and one night in March with a low of 18°F. So, will we have fresh tree-ripened peaches in Northeast Ohio this year? I'll predict that we'll have peaches but just what percent of a full crop depends on many factors.

One of the tests used to determine if the peach crop has been damaged or not is to go into the orchard and cut some buds. This method is simple, fast and easy to determine if the peach crop was damaged by the winter weather conditions. Typically, we wait to test buds until most of the winter weather is over, like around mid-March. Just take a razor blade and slice longitudinally through several buds on various peach branches. Keep track of the total number tested and how many still contain nice green and white tissue inside. This will give you the percentage of bud loss and the potential impact on the peach crop. If the bud tissue is yellow or brown or dried out, then that bud is dead.

The fact that there are blooms on your tree is really good news, but that doesn't necessarily mean that you'll have fruit. Now, even with blossoms on the trees, those other lesser known but critical factors come into play. The first biggie is—How will weather impact pollinator (typically honeybee) activity? Yes, I know that peaches are self-fertile or do not need another peach cultivar to cross-pollinate them; however, research indicates that more fruit and higher quality fruit is set on all cultivars when blooms are visited by bees. A drawback of self-pollinated fruits always seems to be a lower number overall of fruits produced. This lack of lower fruit numbers overall is directly traceable to insufficient insect (honeybee) visits to the flowers during bloom to accomplish that self-pollination!

We love honeybees but they can be a little finicky on when they go a-pollinating! Honeybees do not like cold, wet (rain is like dodging missiles) and breezy (wind speeds greater than 15mph) conditions. This type of weather can cause honeybees to stop their foraging flights and just hang out at the hive. In fact, the minimum temperature for honeybee flight is 54°F. The optimum temperature for flight activity is 72-77°F, but honeybee foraging continues up to about 100°F before declining. Pollinators working the "self-pollinating" flowers will help to ensure fruit production.



Peach branch showing winter damaged and viable fruit buds; NOTE overall number of winter damaged buds



Viable peach bud cut open showing live tissues; NOTE light green pistil in the bud center



Winter damaged peach buds contain yellow, brown and discolored tissues

You are excited to see the beautiful pink petals of peach flowers and start dreaming of peach tarts or pies... But wait, did you check the flowers to see if the pistils and stamens are undamaged? The most common assumption made is that if the petals look good, then everything is just peachy! But that is simply not always the case and often the pistil must be pollinated with viable pollen, which in turn fertilizes the ovary, eventually developing into the peach. The other critical part of pollination/fertilization equation is that stamens provide the necessary viable pollen to fertilize the pistil, so that it will develop into a peach. One or the other or both of these critical flower parts can be affected during the winter.

If blooms make it through winter unscathed, is it time to get excited about peach cobbler... NO! We still have to run the gauntlet of really warm Spring temperatures causing blooms to swell, expand and emerge appearing to explode overnight on the tree and... WHAMMO! Out of nowhere comes a FROST, FREEZE or SNOW event to damage one or all of these flower parts! The damage can be outright catastrophic, like freezing the cells of the tender tissues of the entire flower, causing them to burst, turn brown and die. All the dreams involving peach crumble desserts just crumbled!

But sometimes, the damage is really subtle and something as insidious as slightly damaging cells of the stigma, but not damaging at all any of the other parts of the flower. The stigma is the sticky surface at the very tip of the pistil that receives the pollen grains and allows the incredible, miraculous process of fertilization to begin. If the stigma is damaged or burned off by the frost or freezing temperatures, then no pollination nor fertilization can happen... so you just got shorted peaches for shortbread!

Hopefully, you now have a better appreciation for the miracles and the woes involved with trying to grow fruit in NE Ohio. The beauty is when these factors all fall perfectly into place, then you can grow and produce some pretty tasty fruit! Even if we don't talk about other potential impacts like thunderstorm winds, hailstorms, fungal brown rot, insect pests like Japanese beetles, crows sampling and those thieving squirrels! Instead, we'll spend our time dreaming of pans full of peach crisp, bottles of prize-winning preserves, peach cobbler or just summertime topped off with peach ice cream!





DRONES FOR SPRAYING PESTICIDES

By Erdal Ozkan, Professor, Agricultural Engineering Department, Ohio State University

Previously posted in the CORN Newsletter

Traditionally, aerial spraying of pesticides has been done using conventional fixed-wing aircraft or helicopters with a pilot onboard. However, this is changing. Small, remotely piloted aircraft are being used to apply pesticides around the world, especially in Southeast Asia. For example, about 30% of all agricultural spraying in South Korea, and about 40% of Japan's rice crop, is sprayed using drones. In contrast, drone spraying is in its infancy in the United States, but interest in this technology from pesticide applicators is steadily increasing.

A variety of names and the acronyms are associated with remotely piloted aircraft. Most used ones are: Unmanned Aerial Vehicle (UAV) and Unmanned Aerial System (UAS). However, the name used most commonly by the general public is "drone". Drones entered the agriculture scene initially for non-spraying applications, such as crop and field-condition data collection to increase profitability in crop production. Drones successfully and effectively monitor plant growth by collecting and delivering real-time data from the moment of plant emergence to harvest. With the help of fast and accurate GPS or GNSS technology, a high-resolution camera, and variable flying speeds and altitudes, drones can provide a wealth of information on the condition of every half square inch of crop or soil.

Using drones for spraying pesticides is becoming attractive mainly for four reasons: 1) The topography or soil conditions do not allow the use of traditional ground sprayers or conventional agricultural aircraft, 2) when airplanes and helicopters are not available or are too expensive to use, 3) drones more efficiently spray small, irregular-shaped fields, 4) drones significantly reduce the risk of applicators being contaminated by the pesticides. There are also emerging problems, such as tar spot on corn, which may increase the need for aerial pesticide application by drones.

Although they are small, drone sprayers have all the components of large ground sprayers and conventional aerial sprayers. In addition, all drone sprayers are also equipped with a GPS or GNSS receiver and multiple sensors for collision avoidance. All drones also have wireless remote control for manual operation. Some drones can be operated on autopilot.

Types of spray drones

Spraying with a drone is not new. First used in Japan in 1997, the Yamaha RMax drone looks like a small helicopter (shown below).



Source: yamahaprecisionagriculture.com

It has a single rotor with a diameter of about 10 feet, weighs 220 pounds, and has over 4 gallons of spray tank capacity. It is gasoline powered, can run for 1 hour before refueling, can be retrofitted with three or four nozzles, and was FAA-approved for use in California in 2015. The manufacturer does not sell the aircraft, rather they service it and provide a trained team (usually two to three people) to operate the aircraft.

A rapid proliferation of lighter, easy-to-operate drones for spraying pesticides is currently underway. They are lightweight but powerful enough to lift a 10-15-gallon tank. Most commercial spray drones today are the multi-rotor type shown on the following page.



Photo: E. Ozkan, The Ohio State University

The drones' propellers create turbulence in the canopy, which significantly improves droplet penetration into lower parts of the canopy compared to traditional ground sprayers that are not air-assisted. Multi-rotor drones have similar components but can differ in many ways: number of rotors, rotor positions, nozzle locations and configurations, type and number of nozzles, distance between nozzles, vertical distance between the rotors and the nozzles under them. For example, most drones have nozzles located on the end of hoses descending a few inches below the rotors (shown above). A smaller percentage of drones have nozzles mounted on a boom (shown below). Drones with a boom, and especially those with booms extending beyond the rotors usually are not preferred. These drones are likely to become obsolete because of relatively poor spray coverage compared to the boomless spray drones. They also have a higher drift potential influenced by vortices that may appear near both ends of the boom. Having a larger number of nozzles on the boom, and having a boom that does not extend too far outside the rotors may help avoid this problem, resulting in much better penetration of spray droplets into the target plant canopy and a better coverage of the target surface with droplets.



Photo: E. Ozkan, The Ohio State University

One recent drone type has four rotor arms with two rotors on each arm powering a pair of relatively larger impellers that are stacked one on top of the other (shown below). This dual rotor configuration provides a more powerful lifting capacity and better flight dynamics. Another unique aspect of this drone is how the spray is discharged from the drone.

It uses rotary atomizers positioned under the propellers. The spray droplets are produced by the rotational speed of a cup, which allows the spray mixture to be emitted using very low pressure. This design produces relatively uniform droplets as opposed to the wide range of droplet sizes produced by conventional flat-fan nozzles.

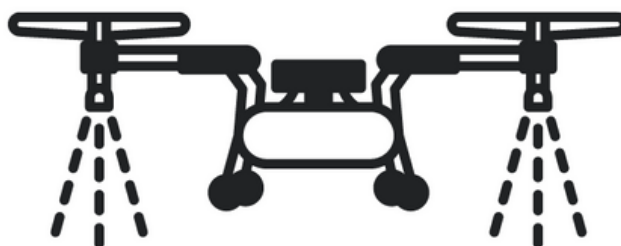


Source: DJI.com

Operating Characteristics of Multi-rotor Spray Drones

The application rate of spray drones in row crops is usually 1.5 to 2 gallons per acre. The rate depends on many factors, but is mainly a function of the spray tank capacity, flying speed, spray swath width, number of nozzles or rotary atomizers on the drone, and the flow rate (volume sprayed per minute). For example, a 5-gallon tank may take 2–3 minutes to empty. Some drones have a tank sensor to indicate the liquid level. This sensor can also be programmed to pause spraying and return the drone to home base when the tank needs a refill. Once replenished, the drone flies back to continue spraying where it stopped. The maximum flying speed of multi-rotor drones varies between 10–30 miles per hour. They are usually flown 7–12 feet above the ground or crop canopy. Forestry applications may require the drone to fly at least 30 feet above the ground to avoid obstacles. All current models of drones have a terrain sensor that maintains the optimum flight height to spray uneven and hilly terrain and automatically navigate hills and slopes. Most spray drone models are compatible with Real Time Kinematics (RTK), which provides centimeter-level, locational precision during flight.

This article covered only the types of drones used for spraying pesticides. Additional information on this topic and other topics such as drone sprayer performance, best spraying practices using drones, limitations of spray drones and obstacles for their adoption, regulations related to using drones to spray pesticides, and resources for obtaining certificates to apply pesticides using drones, and future of spray drones are discussed in a new Ohio State University Extension Publication FABE-540 entitled "Drones for Spraying Pesticides— Opportunities and Challenges. The links to access this publication is: <https://ohioline.osu.edu/factsheet/fabe-540>. The PDF version of the publication is also available at: <https://pested.osu.edu/sites/pested/files/imce/FABE-540.pdf>



Landscape Design 101

Join the Jefferson & Harrison Master Gardener Volunteers to learn about garden design techniques! Participants will have the opportunity to work on their own landscape design plans during this workshop.

Saturday
MAY 27
9 AM-12 PM | Harrison County
Fairgrounds,
550 Grant St,
Cadiz, OH

Cost: \$15 per person, no cost for Master Gardener Volunteers
*1 lab credit for the Jefferson/Harrison MGVP program

INSECTS & OTHER MACROINVERTEBRATES

THURSDAY
JULY 27th
6-9 PM

Harrison County
Fairgrounds

Pre-registration
required - Call
740-264-2212
for location
information and
to register

Cost: \$15 per person, no cost for MGVs or OCVNs

*1 lab credit for the Jefferson/Harrison MGVP/OCVN program

GEOLOGY & SOILS

Explore the rocky outcrops of the Ohio River Valley and learn about local geology and the value of soils. This session will also review soil testing.

THURSDAY, JUNE 29th 6-9 PM
Toronto Cemetery Trail

Cost: \$15 per person, no cost for Master Gardener
Volunteers or Ohio Certified Volunteer Naturalists
*1 lab credit for the Jefferson/Harrison MGVP program

Pre-registration required - Call 740-264-2212
for location information and to register

Vegetable Production Tour

Tuesday
JUNE 13
1-4 PM

*It's All Good Farm,
Downtown Smithfield*

Pre-registration required - Call
740-264-2212 for location
information and to register

Take a walk through a local vegetable operation and learn about how to grow vegetables successfully as well as how to extend the growing season.

Cost: \$15 per person, no cost
for Master Gardener
Volunteers
*1 lab credit for the
Jefferson/Harrison MGVP program

Pesticide & Fertilizer Licensing

EXAM INFORMATION

The 2023 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
May through July:

May 11th 9AM-1PM
Jefferson Co. Towers Building/OSU
Extension, 2nd Floor Conference
Room, 500 Market Street,
Steubenville, OH

June 5th 9AM-1PM
Harrison County Fairgrounds Commercial Building
550 Grant Street,
Cadiz, OH

July 17th 9AM-1PM
Jefferson Co. 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



STUDY MATERIALS

Commercial applicators may receive study materials after submitting applications with license fees to the Ohio Dept. of Agriculture. Applicators may also request additional study packets from the Jefferson County Extension office - call 740-264-2212 to put in a request.

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 or Harrison County Extension offices with any questions.

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

THE WOODS IN YOUR BACKYARD

Learn about backyard woodland ecology, native plants and pollinator plots.

Thursday
JULY 13
6-9 PM

Givens Tree Farm, Bergholz

Cost: \$15 per person, no cost for Master Gardener Volunteers or Ohio Certified Volunteer Naturalists
*1 lab credit for the Jefferson/Harrison MGV program and OCVN programs

Pre-registration required - Call 740-264-2212 for location information and to register



Become a Woodland Health Professional

The Ohio Woodland Health Practices for Service Providers online course provides an introductory training to managing small woodlands, assisting woodland property owners to meet their individual goals and improving woodland and ecosystem health. This course is for green industry professionals - such as arborists and landscape architects - working on private properties of <10 acres. The training will focus on the why and how of addressing common woodland health issues.

Cost of the course is \$90, and participants will have the option to be added to the online directory of service providers as well as receive a certificate upon course completion.

Enroll today to become a woodland health professional at

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





Eastern Ohio Grazing Council Pasture Walks



4th Thursdays

May through October

Visit <http://www.carrollswcd.org/eastern-ohio-grazing-council.html> for more information.

Pre-registration required - Call Carroll SWCD to register: 330-627-9852

HYDROLOGY & AQUATIC LIFE

Explore the watersheds of the Ohio River Valley and learn about aquatic plants, invertebrates and fish that call Ohio home

**THURSDAY,
JUNE 22nd
6-9 PM
via Zoom**

Cost: \$15 per person, no cost for Master Gardener Volunteers or Ohio Certified Volunteer Naturalists
*1 lab credit for the Jefferson/Harrison MGVI and OCVN program

Pre-registration required - Call 740-264-2212 for Zoom information and to register

OVER-THE-COUNTER ANTIBIOTICS WILL REQUIRE VETERINARY OVERSIGHT (Rx) BEGINNING IN JUNE OF 2023

By Gustavo M. Schuenemann, DVM, MS, Ph.D., Professor, Dairy Cattle Health and Management, Veterinary Extension Specialist, Ohio State University Extension

By June of 2023, all medically important antibiotics currently available at most feed or farm supply stores will now require veterinary oversight (written Rx) to be used in animals, even if the animals are not intended for food production. Examples of affected antibiotics include injectable penicillin and oxytetracycline. In addition, some retail suppliers who were able to sell these drugs/products in the past may no longer sell them after June of 2023. This means that small and large animal veterinarians should be prepared for an increase in calls and visits from animal owners who previously may have purchased these drugs over the counter at their local farm supply store. To continue using medically important antimicrobials, you may need to establish a veterinary-client-patient relationship (VCPR). Consult your veterinarian for more information.

What is a veterinarian-client-patient-relationship?

A veterinarian-client-patient-relationship (VCPR) is defined by the American Veterinary Medical Association as the basis for interaction among veterinarians, their clients, and their patients and is critical to the health of your animal(s). The practical explanation is that it is a formal relationship that you have with a veterinarian who serves as your primary contact for all veterinary services and is familiar with you, your livestock/animals, and your farm operation. This veterinarian is referred to as your Veterinarian of Record (VoR), and both the VoR and the client should sign a form to document this relationship.

What species are included?

From companion dogs and cats to backyard poultry, and from rabbits and show pigs to large livestock farms. The same restrictions will apply to all companion and farm animal species.

How do your health protocols measure up?

Health protocols are customized for individuals and farm-specific, and practicing veterinarians are often asked to develop and write protocols for individual farms, particularly health protocols. Injectable antimicrobials alone will not work as intended if animals are experiencing pain (drop feed and water intake) and/or dehydration. OSU Veterinary Extension is available to review your health protocols, but must be submitted by a practicing veterinarian to Dr. Gustavo Schuenemann at schuenemann.5@osu.edu.





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/becomejeffharmgv.

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

Jefferson & Harrison **MASTER GARDENER VOLUNTEERS**

Plant Sale!

DATE: Saturday, May 13, 2023

TIME: 9:00 a.m. - 12:00 p.m.

LOCATION: Dick's Sporting Goods Parking Lot,
Fort Steuben Mall, 100 Mall Dr., Steubenville



Don't forget to check out the Tri-State Master Gardener's Plant Sale at Gabe's in Weirton on May 13 too!



CFAES

CLASS SCHEDULE

June 15th @ OSU Extension Jefferson County Office, Steubenville - **Introduction to Environmental Education and Ecology**

June 22nd via Zoom - **Hydrology & Aquatic Life in the Ohio River Valley**

June 29th @ Toronto Cemetery Trail, Toronto - **Geology & Soils**

July 13th @ Givens Tree Farm, Bergholz - **Forest Ecology/Woods in Your Backyard**

July 20th Location TBA - **Wild Mushrooms and Plants of Eastern Ohio**

July 27th @ Harrison County Fairgrounds, Cadiz - **Insects & Other Macroinvertebrates**

August 24th @ Harrison County Fairgrounds, Cadiz - **Birds of Ohio**

August 31st @ Harrison County Fairgrounds, Cadiz - **Mammals of Ohio**

September 6th** via Zoom - **Amphibians & Reptiles of Ohio**



September 14th @ Tappan Lake, Deersville - **Weather, Climate & Stargazing**

CONTACT: Erika Lyon

740-264-2212

lyon.194@osu.edu

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



Become an
**OHIO CERTIFIED
VOLUNTEER
NATURALIST**

Classes start June 15th, 2023, 6-9PM

Cost: \$130 per person, which includes OCVN manual, name badge, and t-shirt.

Visit go.osu.edu/jeffharrocvn or call 740-264-2212 to learn more



THE OHIO STATE UNIVERSITY
EXTENSION

FLOWERING ORNAMENTAL PEAR

Pyrus calleryana

A friendly reminder that callery or ornamental pear, including cultivars such as 'Bradford', is now illegal to sell, grow, or plant in Ohio due to its invasive characteristics. While often considered a beautiful tree to many landowners, Callery pears are prolific, often taking over forests and outcompeting native species. Limbs of callery pear also have a tendency to break easily and are often damaged during storms.

If you are looking for alternatives for callery pears in your yard, consider hawthorns, flowering dogwoods, or serviceberries that also produce white blossoms early in the year. These trees and shrubs are native to Ohio and are a valuable food source for many wildlife species. Eastern redbud is also a great native flowering tree that many landowners enjoy in their Ohio landscapes.

WILD MUSHROOMS & PLANTS OF EASTERN OHIO

Learn the basics of ecology and identification of some common plants and fungi found in Ohio

THURSDAY,
JULY 20th
6-9 PM

Cost: \$15 per person, no cost for
Master Gardener Volunteers or
Ohio Certified Volunteer
Naturalists

*1 lab credit for the Jefferson/Harrison
MGV and OCVN program

Pre-registration required - Call 740-264-2212
for Zoom information and to register

Jefferson County

Discover Yourself in 4-H



JEFFERSON COUNTY FARM BUREAU POLLINATOR CLASS

The Jefferson County Farm Bureau is holding a pollinator class for those clubs which want to participate in the flowerbed competition on June 14th at 5pm, at the Jefferson County Fairgrounds.

Rabbit/ Poultry Tag In

July 29 at the Fairgrounds

Watch the Jefferson County Fair Campers and Exhibitors Facebook Page for more information! Remember to use the new animal ID form!

If possible, please have your rabbits tagged before that date. Tammy Mazzaferro is able to tattoo any at the Monday Sessions.

COMMUNITY SERVICE OPPORTUNITIES

- ☒ Support the Jefferson County Kiwanis Sock Drive, Donate NEW socks of any size! They can be dropped off at the OSU Extension Office!
- ☒ Volunteer at the Urban Mission
- ☒ Volunteer at local Nursing Homes/ Assisted Livings/Hospice

Rabbit Hopping, Agility, and Learning!

Tammy Mazzaferro will have Rabbit hopping, agility, and learning classes , at the Jefferson County Fairgrounds in the Rozsa Pavilion, on Mondays beginning at 6:30 pm, unless otherwise noted!

Sessions will be open to all 2023 rabbit exhibitors!

The dates include June 12, 19,; July 17, 24, 31; August 7 (final practice). Competition Day is August 17!

Please join Tammy for a great learning experience!



Jefferson County State 4-H Scholarship Recipients Delaney Johnson, Hayden Johnson and Corissa Griffith!

All American Youth Horse Show
Maria Kessler, Union County

Alvarez 4-H Scholarship
Haley Warren, Butler County

**Arthur F. Bell and William J. Hoewischer
Scholarship**
Kamryn Kreis, Muskingum County
Morgan Meyer, Shelby County

4-H Bob Evans Scholarship
Corissa Griffith, Jefferson County
Sadie Holman, Licking County

**Dr. and Mrs. Vernon Glick Bolender Jr. 4-H
Scholarship**
Megan Garrison, Belmont County
Jeffrey King, Fairfield County

Mary E. Border Ohio 4-H Scholarship
Piper Brill, Franklin County

The George W. Broughton 4-H Scholarship
Tessa Haffner, Washington County

**Ashley Brittany Calhoon 4-H Leadership
Scholarship**
Isabella Byrd, Franklin County
Justin Hollick, Franklin County
Lydia VanVleet, Franklin County

Cunningham 4-H Scholarship
Emmalee Preston, Fairfield County
Matthew Swearingen, Adams County
Ashley Tate, Holmes County

**The Albert F. and Margaret E. Gehres 4-H
Scholarship**
Adrianna Meyer, Fulton County

The William E. Goos Memorial 4-H Scholarship
Matthew Adkins, Preble County
Haley Warren, Butler County

**A. B. Graham Leaders of Tomorrow 4-H
Scholarship**
Chloe Anderson, Hardin County

The Jonard Family Scholarship
Julianna Andres, Delaware County
Delaney Johnson, Jefferson County
Hayden Johnson, Jefferson County

Lifer 4-H Scholarship
Alenah Boeshart, Knox County
Cory Myers, Richland County
Joseph Sieving, Richland County

**Tiney and Helena McComb Family 4-H
Endowment**
Sarah Graber, Henry County
Halle Miller, Erie County
Evan Miller, Erie County

John T. Mount 4-H Achievement Scholarship
Sara Newsome, Highland County
Meredith Robinson, Ross County

**Pfeiffer, Miller and Saunway Family 4-H
Scholarship**
Haven Hileman, Scioto County

The Robert and Mary Scholarship
Olivia Looker, Morrow County
Zoe Parrott, Crawford County
Bryce Schott, Morrow County

Ryant 4-H Agricultural Scholarship
Emma Irvin, Delaware County
Abigail Sapp, Delaware County

**The Paul A. Smith and Ethel I. Smith 4-H
Scholarship**
Jacob Berisford, Licking County
Rachel Berk, Franklin County
Allie Carter, Fairfield County
Chloe Creque, Fulton County
Johnathan Dorsten, Williams County
Kalleigh Fry, Henry County
Sydney Hamilton, Highland County
Chloee Howard, Medina County
Ethan Kaper, Fairfield County
Hanna Warnecke, Putnam County
Brandon Zuercher, Hancock County

Thank you to the volunteers who lead our livestock clinics!

Beef - Rob Vein and Cameron Best

Swine - Clint Finney and Kyle Koehnlein

Market Goats - Tonnie Nicholson, Lane Fomenko and Logan Fomenko

Pygmy Goats - Jessica Sudvary and Leila Sudvary

Poultry - Emily Lamantia and Marlene Lamantia

Dairy - Doug Caldwell

Market Lambs - Delaney Johnson

Also, thank you to all the 4-H youth who came out! There is always something to be learned even when you have completed a project for multiple years!

Thanks Windy Ridge 4H 'ers the Rozsa Pavilion stage looks awesome.

A little elbow grease, scraping, and painting not to mention shoring up the stairs. All your hard work was worth it!



2023 Ohio Online Skillathon

****WHICH ALSO SERVES AS THE JEFFERSON COUNTY ONLINE SKILLATHON **for 2023.**

The online Skillathon for the county now opens May 30!

(The QR code and link will be sent via email as well, closer to the opening date.)

In order for the score to count toward project completion as required by the Jefferson County 4-H Committee, you must have it completed by midnight June 30.

The score will be automatically recorded and sent to the local office from the state animal sciences program.

In-Person Skillathon is available June 12-14 @ the OSU Extension Office on the second floor.

See 4-H Calendar for specific times!

****This online version will allow you to earn a county Most Outstanding Skillathon Youth shirt based on your first score only. **EACH SECTION IS TIMED, so there is little time to search for answers. In order to do well, you must prepare utilizing the materials provided on the website's explanation/information page.**

This Skillathon has been provided by The Ohio State University's Animal Sciences program. It is a preparation Skillathon for the Ohio State Fair. The questions and answers have not been determined by the local 4-H office. The final scores are non-negotiable.

A poster for the 2023 Virtual Skillathons. The top half has a grey and red background with the title '2023 VIRTUAL SKILLATHONS' in large white letters. Below the title, it says 'REACH OUT TO YOUR COUNTY'S 4-H EXTENSION COORDINATOR TO LEARN MORE!'. In the center is a calendar icon showing 'AVAILABLE MAY 30TH - OCT 20TH'. To the right, under 'USE AS:', there are three checked boxes: 'OHIO STATE FAIR SKILLATHON PRACTICE', 'A REPLACEMENT SKILLATHON OPTION', and 'AN OPPORTUNITY TO LEARN MORE ABOUT YOUR SHEEP, SWINE, GOAT, CAVY, RABBIT, DAIRY, BEEF, HORSE, POULTRY, LLAMA/ALPACA OR DOG PROJECT!'. To the left of the QR code, it says 'PARTICIPANTS MUST BE BETWEEN THE AGES OF 8 AND 18 AS OF JANUARY 1, 2023 AND BE AN OHIO 4-H OR FFA MEMBER!' and 'SCAN THE QR CODE BELOW TO LEARN MORE INFORMATION:'. At the bottom, there is a QR code, the Ohio State University logo, and contact information for Ohio 4-H Animal Sciences.

2023 VIRTUAL SKILLATHONS

REACH OUT TO YOUR COUNTY'S 4-H EXTENSION COORDINATOR TO LEARN MORE!

**AVAILABLE
MAY 30TH -
OCT 20TH**

USE AS:

- ☒ **OHIO STATE FAIR SKILLATHON PRACTICE**
- ☒ **A REPLACEMENT SKILLATHON OPTION**
- ☒ **AN OPPORTUNITY TO LEARN MORE ABOUT YOUR SHEEP, SWINE, GOAT, CAVY, RABBIT, DAIRY, BEEF, HORSE, POULTRY, LLAMA/ALPACA OR DOG PROJECT!**

PARTICIPANTS MUST BE BETWEEN THE AGES OF 8 AND 18 AS OF JANUARY 1, 2023 AND BE AN OHIO 4-H OR FFA MEMBER!

SCAN THE QR CODE BELOW TO LEARN MORE INFORMATION:



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



Ohio 4-H Animal Sciences
2029 Fyffe Court, 222 Animal Sciences Building
Columbus, Ohio 43210
4hanimalscience@osu.edu

Aloha...Whoa!!!

2023 Horse Camp

Kitchen Menu

Breakfast Hours: 7:30- 10:30AM

Muffins
Breakfast Sandwich
Sausage, Egg & Cheese Bowl

Lunch/ Dinner Hours: 11AM- 6PM

Pulled Pork Sandwich
Haluski
4-H Noodles
Shredded Chicken Sandwich
Chicken Bowl
Hot Dog
Taco in a Bag
Nachos & Cheese
Pizza
Loaded Mac & Cheese Bowl

Snacks & Drinks

Coffee
Water
Tea
Pop
Lemonade
Dessert
Fruit
Yogurt
Candy
Chips

***Prices
Coming
Soon!!***

Visit us in the kitchen Saturday & Sunday!
All proceeds benefit Jefferson County Saddle Horse Committee.

Silent Auction!

Jefferson County Saddle Horse Committee
will be hosting a Silent Auction again during horse camp.

Join us in the front of the rabbit pavilion and place your bids on these great items!

Auction will close at 8PM Saturday evening.

All proceeds will benefit the Saddle Horse Committee for future events.

Please contact Erin Ogden @ 740-424-4313 to donate auction items.

All horse clubs are encouraged to donate 1 auction item if able.

Vet Services Available At Horse Camp

Horse Camp Attendees!!!
Look At This!!! THIS IS A GREAT
OPPORTUNITY!

Does Your Horse Need Any Of The
Following? Call the OSU Extension
office at 740-264-2212 to schedule
your appointment and services
needed during horse camp starting
at noon on Saturday!

We are so appreciative of Dr. Friend
and his willingness to make this
available to our horse camp
participants!



Jefferson County 4-H Equine Clinic	June 3, 2023
Full Physical Exam (including dental check)	\$30
Equine Coggins test	\$40
Vaccinations:	
Core Eq (Eastern, Western, Tetanus, Rabies, West Nile Virus)	\$50
Fluvac EHV 4/1 (Flu, Rhino)	\$35
Fecal Examination	\$30
Deworming	\$15
Deadline to make your reservation, including number of horses, is May 30, 2023.	

ALL Horse Project Youth...

Reminder - Almost ALL HORSE PROJECT paperwork is due on June 1 to the OSU Extension office, 500 Market Street, Suite 512, Steubenville, OH 43952.

It's a myriad of paperwork that is 99 percent required by the state 4-H office, so be nice to the messenger.... double check everything you're submitting BEFORE turning it in to us.

Your packet should include:

- The County ID form with attached photos and all required signatures as outlined on the front of the form - June 1
- The State Permission to Participate in Horse Activities form - June 1
- The State Horse ID form (on which you draw your horse's markings.) - June 1
- Any lease paperwork with all proper signatures (Otherwise you risk revocation of paperwork.) This is required by the state office. - June 1
- A copy of the State EQUISTEPS Completion Certificate - June 1 (This certificate is available after you complete class including the videos and class test. The certificate is sent to the email that you registered to get into the class.)
- The County Ride Day Verification form - This form is due after June 1 but no later than July 10, after you have completed your second ride and received the sign off signatures.

Every horse youth must also have signed in and completed the county horse etiquette class.

County Fair horse classes entry paperwork is due at a later date (Usually July 10) and is completed with assistance from your 4-H advisor.

All forms can be found pinned to the top of the Facebook page.

Thank you for your patience!

4-H Camp Counselors Hold First Counselors Camp!

More than 30 camp counselors, camp staff, and Extension staff held the first ever Jefferson County Camp Counselors event May 6-7 at Camp Elkhorn Valley! Attendees enjoyed chili cooked over a fire, smores, and hobo pies! They participated in a high ropes course, fishing, primitive fire building class, Flintstone baseball, camping in tents, and a hike all while finishing preparations for this year's junior camp. There are currently 125 people signed up to enjoy the Shipwrecked-themed 4-H Camp June 4-7.



4-H Camp Counselor Shirt

Our creative camp counselors Ainsley Roach, Katherine Rivers and Mercy McGalla with the help of 4-H mom Casey Mozingo have designed a fantastic "Shipwrecked" 4-H Camp shirt for our counselors to be easily identified by the younger youth at Elkhorn Valley! We can't wait to see you at camp!



COUNSELORS

Maddie Zeroski	Catherine Butler
Cori Griffith	Katherine Rivers
Lindsey Best	Hannah Randolph
Kaitlynn Merkel	Caleb Miller
Emma Morrison	Dayne Carter
Kaity Morrison	Gabe Glenn
Ella Porter	Shane Griffith
Bayleigh Gump	Nathan Crawford
Carly Long	Atreyu Dudley
Lindsey Zifzal	Cole Saiter
Leah DiNofrio	Brady DiNovo
Rhiannon Jones	Luke DiNovo
Alayna Starr	Chandler Hoffman
Ainsley Roach	Christian Hoffman
Mercy McGalla	Andrew Wetherell
Grace Miller	Carter Graziano
Blair Allison	Kristopher McVicker
Addie Erwin	Tucker McVicker
Maddie Krzys	Kamden Kinyo
	Noah Kokiko

STAFF

Angie Allison Leslie Aftanas Heather Merkel Brianna Merkel
Makara Eick Michelle Eddy Carl Glenn Clint Finney Kyle Koehnlein Scott Miller

Fernwood Outdoor Days

The annual Fernwood Outdoor Days was held from May 15-18. This program was held in conjunction with the Jefferson Soil and Water Conservation District and other partnering agencies. It hosts more than 500 Jefferson County youth at the state forest over a four-day period. This year the following 4-H youth and volunteers assisted with the program.

Addie Erwin, Kaity Merkel, Blair Allison, Corissa Griffith, Brianna Merkel, Makara Eick, Emma Morrison, Alayna Starr, Katie Rivers, Leila Sudvary, Natalie Lucas, Grace Browning, Gabe Glenn.



Contest

Day

2 0 2 3

All Advisors Please Submit this registration by

June 9, 2023

Event to be held starting at 5 pm June 14

at the Jefferson County Fairgrounds

Please note: All competitive categories are for full 4-H members. Cloverbuds receive participation ribbons only. Any youth member who received first place in a division at The Ohio State Fair in 2022 is ineligible to compete on the state level in that same category for 2023. So please select your area of competition while keeping this in mind!

The Ohio State Fair Non-Livestock Guide Book has continually updated information regarding all competitions for the state fair. If your youth member is selected to attend state fair, it is the responsibility of the parent to follow through and see if any changes need made to the project in order to better compete on the state level. We have included the most up to date information in this packet. However, the state fair website is still in the process of being updated and will continue to be even after we hold the Jefferson County Contest Day event. Information can be found here:

<https://ohio4h.org/nonlivestockguidebook>



Contest Day Events

Interview Events:

Species Achievement Interviews:

Each participant will be interviewed for 5-7 minutes. Topics will include species knowledge, 4-H activities, and 4-H knowledge. A youth must be enrolled in the 4-H project correlating to the interview. The top three individuals will be placed. Species Achievement Awards will be judged for rabbit, small animal, swine, horse, dog, goat, sheep, poultry, beef, dairy. This interview is the first step for the Most Outstanding Exhibitor process, but even if a youth is not competing for MOE, youth members can still compete in this category.

Divisions for Species Interview are:

Junior Division – 8-13 years of age as of Jan.1

Senior Division – 14-18 years of age as of Jan 1

Public Speaking Events:

1. **Pledge:** A cloverbud or ages 8-13 non-competitive event in which they receive a participation ribbon.
2. **Creed:** 4-H members ages 8-18 can participate in this event. This is a non-competitive event. All participants completing the creed will receive a participation ribbon.
3. **Health and Safety Speaking Individual OR Team THIS IS NOT A STATE COMPETITION**

There are two age divisions for this category. Junior/Intermediate/ Senior divisions, they include:

Junior Division: Ages 8-13 ages as of Jan. 1

Senior Division: Ages 14-18 Ages as of Jan. 1

Senior Speeches are to be 4 to 5.5 minutes. Junior speeches are to be 2.5-3.5 minutes. No singing, dancing or music is allowable in the speeches division. The topic should be health or safety that effects family living in the home, on the farm, on the highway or in public.

4. **Health and Safety Team Skit THIS IS NOT A STATE COMPETITION**

The topic should be health or safety that effects family living in the home, on the farm, on the highway or in public. Team Skit should be 5-10 minutes. (Team category is based on the oldest member's age. Please try to keep members in the same age category.)

5. Illustrated Talk/Demonstration Individual Or Team- State competition is available for the top five placings in each category. The state fair competition will be held the first week of August.

PRESENTATION DIVISION CLASSES

Illustrated Talk or Demonstration – without use of computer technology

J-1 Junior Individual (age 8-10)

J-2 Junior Team (age 8-10)

- The presenter uses appropriate props and other visual aides to teach others about a subject or how to do something.
- The presenter may use charts, posters, or pictures to accompany their illustrated talk or demonstration.
- PowerPoint or computer-generated messages are not used in these classes.
- Presenters are evaluated on their ability to convey information and teach on a particular topic. See score sheet for more information on the areas of evaluation.
- Presentations should be 5-8 minutes in length. Scores will be lowered for presentations under or over the time limits.

Illustrated Talks or Demonstrations---with or without the use of computer technology

J-3 Intermediate Individual (age 11-13)

J-4 Intermediate Team (age 11-13)

J-5 Senior Individual (age 14 and up)

J-6 Senior Team (age 14 and up)

- Presentations are evaluated on the member's communication skill and their ability to effectively use technology, posters, or other props to enhance their Illustrated Talk or Demonstration.
- Presenters may use appropriate props, posters, and/or computer-generated visual aides (e.g., PowerPoint, Prezi, short video, etc.) to teach others about a particular topic, practice, procedure, scientific principle, or phenomenon. Use of computer-generated visuals is NOT required.
- Requires live speech delivered along with PowerPoint, poster or other message. No pre-recorded narration is permitted.
- Presentations should be 5-8 minutes in length. Scores will be lowered for presentations under or over the time limits.

Marketing Division Events:

Ages are as of Jan. 1

ALL CARDS AND INFOMERCIALS MUST BE RECEIVED IN THE JEFFERSON COUNTY OSU EXTENSION OFFICE BY 4PM, JUNE 9, 2023. They will be on display at Contest Day. See Below!

MARKETING DIVISION RULES

1. Any 4-H member meeting age eligibility requirements may enter the Marketing Division, Classes J-7 through J-11. There are no limits on the number of entries a county may have in any one class.
2. Members participating in Presentation Division Classes J-1 through J-6 may also enter the Marketing Division.
3. A member may enter only one class in the Marketing Division.
4. Use of copyrighted or protected characters or logos is not permitted, with the exception of the 4-H clover.
5. All entries must be included in the county's 4HOnline registration.
6. All entries must be dropped off or mailed to the State 4-H Office and received no later than Monday, July 24.
7. All awards will be presented on Thursday, August 3, during the Communication Days Awards Ceremony in the Rhodes Center at or about 5:00 pm.
8. People's Choice awards will be presented in each of the five Marketing Division classes. Entries will be available for review, and voting will be open to the public on Wednesday, August 2 from 9:00 am – 3:00 pm and on Thursday, August 3 from 9:00 am – 2:00 pm in the Lausche Youth Center
9. Members do NOT accompany these entries to judging, and judging is NOT open to the public.

MARKETING DIVISION CLASSES

J-7 Junior Individual (age 8-10) – Thank You Card *without* use of computer graphics or scrapbooking tools.

J-8 Junior Individual (age 8-10) – Thank You Card *with* the use of computer graphics or scrapbooking tools.

- Entries in J-7 and J-8 should be an original **Thank You** card with artwork on the cover. An inside message is not required but may be included at the discretion of the designer. Inside messages will not be judged.
- The 4-H Clover must be included in the design.
- Card should be on 8 ½ x 11 **white** cardstock, folded in half.
- Art and message must be the original work of the member.
- Member may use any medium, including crayon, chalk, pen and ink, pencil, markers, etc.
- No use of computers or scrapbooking tools in creating entries. Designs must be hand-lettered and drawn or cut by hand.
- In **class J-7** designs must be hand-lettered and drawn and cut by hand. No use of computers or scrapbooking tools in creating entries. The 4-H clover must be drawn by hand.
- In **class J-8** artwork or lettering created with the aid of scrapbooking tools or computers is permitted provided the design is the original work of the member.
- Print the member's name, age, and county in the lower right-hand corner of the back of the card.
- Evaluation will be based on the quality, creativity, and originality of the design.
- By submitting an entry, you give the Ohio 4-H Foundation the right to use selected cards. The cards will display the 4-H member's first name, age and county.

J-9 Intermediate Individual (age 11 - 13) – 4-H Winter Holiday Card – *without* the use of computer graphics or scrapbooking tools.

J-10 Intermediate Individual (age 11 - 13) – 4-H Winter Holiday Card – *with* the use of computer graphics or scrapbooking tools.

- Entries should be an original **Winter Holiday** card with artwork on the cover. An inside message is not required. Inside messages will not be judged. Use of the 4-H clover is strongly encouraged, but not required.
- Card should be on 8 ½ x 11 **white** cardstock, folded in half.
- Art and message must be the original work of the member.
- Member may use any medium, including crayon, chalk, pen and ink, pencil, markers, etc.
- In **class J-9**, designs must be hand-lettered and drawn or cut by hand. No use of computers or scrapbooking tools in creating entries. The 4-H clover must be drawn by hand.
- In **class J-10**, artwork or lettering created with the aid of scrapbooking tools or computers is permitted provided the design is the original work of the member.
- Print the member's name, age, and county in the lower right-hand corner of the back of the card.
- Evaluation will be based on the quality, creativity, and originality of the design.
- By submitting an entry, you give the Ohio 4-H Foundation the right to use selected cards. The cards will display the 4-H member's first name, age and county.

J-11 Senior Individual (age 14 and up) – 4-H Infomercial Promoting 4-H

- This is a video short that promotes the 4-H program
- This must be a fully automated, stand-alone video presentation with sound and narration as appropriate. Think YouTube. The video should include recorded visual, sound, and narration to convey a message.
- The video should be the original work of the member making the entry.
- Images in the video should be appropriate for promoting 4-H. Use pictures of youth who are of 4-H age; when possible, show the diversity of membership, projects, and activities; show youth exercising appropriate safety practices (i.e. wearing helmets on horseback).
- The video should be 2-4 minutes long. Deductions will be assessed for videos less than 2 minutes or longer than 4 minutes.
- The video must play using QuickTime Player or Windows Media Player.
- Videos must be shared with the State 4-H office by sending the link via email to Sally McClaskey (mcclaskey.12@osu.edu).
- Videos must be submitted electronically to Sally McClaskey at Mcclaskey.12@osu.edu. Be sure to include in the email the member's name, age, county and video title in the email.
- Evaluations will be based on the quality and originality of the message as well as the creative and professional use of technology. Videos should persuade the viewer to action.
- Remember to get signed photo releases from people in the video.
- By submitting an entry, you agree to allow counties and/or the State 4-H office to use the promotional video to promote 4-H.

The top five cards in each category will be sent to the state fair competition scheduled for the first week of August. See information above for guidelines for creating cards. The top 5 infomercials will also be sent for the state competition. Please see the information above before creating your infomercial.

Reduce, Reuse and Recycle Event:

Make Something, Anything out of recycled materials. Make a GREEN statement by creating an original work of art!

The age divisions include:

- Cloverbuds
- Beginner (4-H age 8-10)
- Intermediate (4-H age 11-13)
- Seniors (4-H age 14-18)

In the following categories:

- Wearable Art
- Indoor Recycling Item
- Outdoor Recycling Item

Horse Poster Event:

The Horse Poster Contest is to visually demonstrate 4-H equine project knowledge and to exhibit the diversity of 4-H equine projects. Posters will be judged locally only. The state competition for this event is finished for 2023. Posters should be constructed similar to the information provided in this packet. Horse Posters are due to OSU Extension by June 9. They will be on display at contest day. There is no competition for these at Contest Day, but placings will be announced with the card competition.

Live Horse Skillathon – Available from 5 pm - 7:00 pm

Jefferson County Farm Bureau Pollinator Clinic/Flower Bed Competition:

Meet at 5 pm in the Livestock Arena if you would like to participate in the pollinator program by Jefferson County Farm Bureau. You must have 1 representative from your club if you would like to participate!

Dog Poster Event:

The Dog Poster Contest is to visually demonstrate 4-H canine project knowledge and to exhibit the diversity of 4-H dog projects. Posters will be judged locally and may then be submitted to a state competition based on the judge's recommendation. Dog Posters are due to OSU Extension by June 9. They will be on display at contest day. There is no competition for these at Contest Day, but placings will be announced with the card competition.

Entry Information and Deadline

1. Youth must be enrolled in a 4-H dog project or with a dog in 4-H PetPALS to participate in the Poster Contest but need not own or show a dog.
2. Each youth must complete a *2023 Ohio State Fair Dog Show Poster Entry Form* and send (or bring) the completed entry form along with poster to the OSF Dog Poster Contest, Nationwide and Ohio Farm Bureau 4-H Center, 2201 Fred Taylor Drive, Columbus, Ohio 43210.
3. **Posters must be postmarked by Wednesday, June 21.**
4. Posters postmarked after the June 21 deadline and or those not meeting rule requirements, WILL NOT BE JUDGED; however, will be displayed if there is space.
5. There are no entry fees for posters.

Rules

1. Age divisions will be as follows: Junior (ages 8-11), Intermediate (ages 12-14), and Senior (ages 15-18). All ages are as of January 1, 2021.
2. First place winners in each age division may exhibit every year provided the age requirements are met.
3. Each poster must be made by the 4-H member.
4. **Posters must be made using size 22" x 28" regular poster board.** Do not use foam core poster board or science fair display boards.
5. **Posters MUST be constructed and displayed horizontally.**
6. Do not mount poster boards on any type of stiff backing.
7. Shadow boxes, overlays, peek-through or lift-up windows or three-dimensional posters are not permitted. Items hanging off the sides of the poster are not permitted.
8. Stick-on letters and stickers are permitted.
9. It is not a requirement for posters to be laminated; however, lamination may help preserve the poster. Please know that **posters will be hung with duct tape.** We will make every effort to protect your poster but can't guarantee they won't be damaged. If you are worried, please laminate.
10. Each poster must be **clearly labeled in the front lower right hand corner with the exhibitor's name, county, and age as of January 1, 2023.**
11. Refer to the Poster Contest Rules in the *2023 Poster Contest*, rule information. Posters will be judged on Educational Content (50 pts.), Neatness/Appearance (30 pts.), and Originality (20 pts.). A score sheet can be found at www.osu.edu/osfdogs.
12. Poster score sheets are used for judging only and will not be returned to the exhibitor.
13. Posters will be displayed in the Voinovich Trade Center during the State Fair Dog Show. All posters that place will be displayed throughout the Dog Show. Depending on the number of other posters received, a certain percentage of posters will be displayed each day.
14. Posters will be released after the awards presentation on Tuesday, July 18 or after they have had their turn at being displayed. Exhibitors who are not present on July 18 should have a representative take their posters to them following the Ohio State Fair Dog Show.

Refer to www.go.osu.edu/resourcesdogs or www.go.osu.edu/osfdogs for complete information about the Poster Contest.

Cloverbud Activities:

Open to enrolled Cloverbuds And Sprouts:

- **Plant a boot** – Bring an old boot to plant and use as a fair competition item. All cloverbuds must be accompanied by an adult. Seeds and Potting soil will be provided.
- **Learn the Pledge** - Cloverbuds also will practice reciting the pledge.
- **Railroad Safety Demonstration**
- **American Turtle Craft** -Provided By 4-H Committee and OSU Extension
- **Bring a 2-liter pop bottle rocket (decorated and named) for a launch display** (Directions below!)



WELCOME TO THE WORLD OF "ROCKETS AWAY" FROM THE 4-H SCHOOL ENRICHMENT PROGRAM



INSTRUCTIONS ARE SIMPLE AND
WILL ONLY TAKE YOU ABOUT 30
MINUTES TO COMPLETE

ITEMS NEEDED:

- 1- 2 Liter Bottle with label removed & rinsed clean.
(Per our years of experience launching these rockets, it is our recommendation that a name brand soda product be used as the generic bottles tend to leak).
- Duct tape
- 6 - bobby pins for the fins
- Corrugated cardboard for the fins

1. Cut out 3 tail fins from an 8" x 8" piece of corrugated cardboard. (Pattern for fins are included in these instructions) Be sure that the pattern is parallel to the corrugated 'ribbing' of the cardboard. Once cut, split open the 1" section of cardboard that extends beneath the triangular portion of the fin. When opened, this portion should be at right angle to the fin (see example of fin on back of this page).

2. Take two bobby pins and bend them into the shape of a "T." Make sure the top of the "T" of the bobby pin rests against the extended portion of the fin. The bobby pins are used to stiffen the fins during flight. Repeat for each fin.

3. Cut a 1" strip of paper long enough to measure around the middle of the rocket (about 14" long). Fold the paper into equal 3rds and mark the lines. Measure around the bottle this time and mark with a marker where the lines are. This will give you equal spaces to set the fins. The bottom of the fins will be 3" from the cap end of the bottle. Tape the fins with duct tape, using enough to cover the tab ends of the fins.

INSTRUCTIONS
CONTINUE ON
BACK PAGE



"ROCKETS AWAY" CONTINUED

Students may choose to NAME their rocket and perhaps decorate with magic markers. **NOTHING HEAVY OR YOUR ROCKET WON'T "GET OFF THE GROUND."** Also, do not put anything into the rocket. We will add weights to the top for balance and add water and air pressure to fuel the rocket on launch day.

**Looking forward to seeing you at
Fernwood State Forest.**

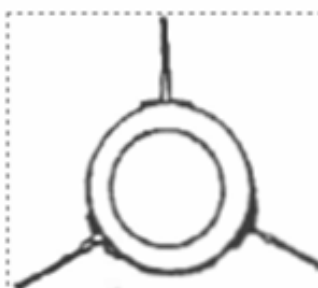
**If you have questions, you may call
me at the office at 740-264-2212**

**Angie Allison, Extension Educator
Ohio State University Extension**

All educational programs and educational activities conducted by the Ohio State University Extension are available to all potential clientele on a non-discriminatory basis without regard to race, color, creed, religion, sexual orientation, national origin, gender, age, disability or Vietnam-era status. OSU Extension will provide accommodations to handicapped persons needing assistance to participate in Extension programs. If you need assistance/accommodations to attend programs, utilize written materials or visit your County Extension Office, please contact them at 740-264-2212 or TTD #1-800-589-8292.

*The Ohio State University, The United States
Department of Agriculture and Jefferson County
Commissioners*

EXAMPLES FOR FIN PLACEMENT

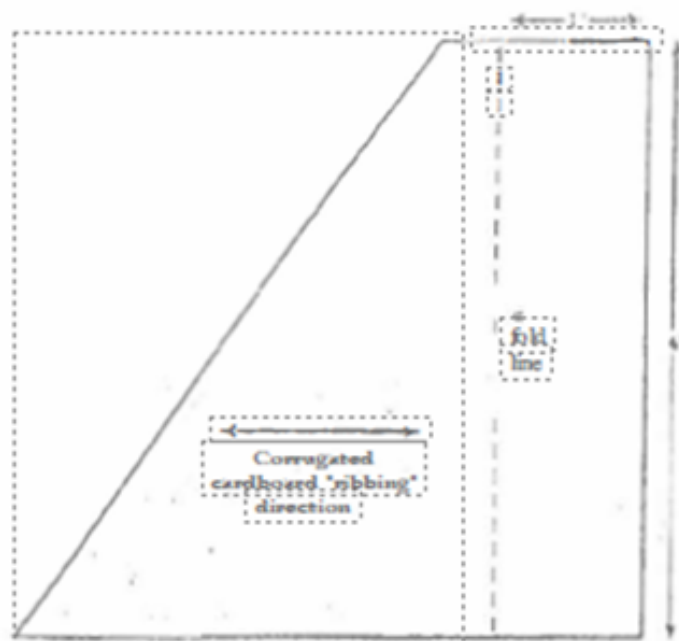


Fins, top view



Fins, side view

Fin pattern:



Contest Day Registration Form

Club Name: _____

REGISTRATIONS ARE ONLY ACCEPTED FROM THE HEAD CLUB ADVISOR!!

Species interview contestants should have either turned in an achievement form for MOE by 4 pm, May 1 to the OSU Extension office or if not participating in MOE bring a copy of the achievement form to the interview.

Species Achievement Interviews

Rabbit

Name	Age
1. _____	
2. _____	
3. _____	
4. _____	
5. _____	

Sheep

Name	Age
1. _____	
2. _____	
3. _____	
4. _____	
5. _____	

Small Animal

Name

Age

1. _____
2. _____
3. _____
4. _____
5. _____

Swine

Name

Age

1. _____
2. _____
3. _____
4. _____
5. _____

Horse

Name

Age

1. _____
2. _____
3. _____
4. _____
5. _____

Dog

Name

Age

1. _____
2. _____
3. _____
4. _____
5. _____

Goat

Name

Age

1. _____
2. _____
3. _____
4. _____
5. _____

Poultry

Name

Age

1. _____
2. _____
3. _____
4. _____
5. _____

Beef

Name

Age

1. _____
2. _____
3. _____
4. _____
5. _____

Dairy

Name

Age

1. _____
2. _____
3. _____
4. _____
5. _____

Health And Safety Speaking Individual

Name

Age

1. _____
2. _____
3. _____
4. _____
5. _____

Health And Safety Team

Name	Ages
1. _____	
2. _____	
3. _____	
4. _____	
5. _____	

Health and Safety Skit

Name	Ages
1. _____	
2. _____	
3. _____	
4. _____	
5. _____	

Individual/Team Demonstration/Illustrated Talk

Please indicate if contestant is part of a team or is an individual speaker.

Name	Ages
1. _____	
2. _____	
3. _____	
4. _____	
5. _____	

Horse Poster

Name

Age

1. _____

2. _____

3. _____

4. _____

5. _____

Dog Poster

Name

Age

1. _____

2. _____

3. _____

4. _____

5. _____

4-H Pledge Ages 8-13 (If cloverbud please sign up on cloverbud form only!)

Name

Age

1. _____

2. _____

3. _____

4. _____

5. _____

4-H Creed Ages 8-18

Name	Age
1. _____	
2. _____	
3. _____	
4. _____	
5. _____	

Thank You Card – Please indicate with or without graphics due June 9 to OSU Extension

Name	Age
1. _____	
2. _____	
3. _____	
4. _____	
5. _____	

Winter Card – Please indicate with or without graphics due June 9 to OSU Extension

Name	Age
1. _____	
2. _____	
3. _____	
4. _____	
5. _____	

4-H Infomercial due June 9 to OSU Extension

Name	Age
------	-----

1.	_____
----	-------

2.	_____
----	-------

3.	_____
----	-------

4.	_____
----	-------

5.	_____
----	-------

Reduce, Reuse, Recycle Complete Photo Release Form Too - State Age and if it is Wearable Art/Inside Art/Outside Art on name line

Name	Age	Wearable/Inside/Outside
------	-----	-------------------------

1.	_____	_____
----	-------	-------

2.	_____	_____
----	-------	-------

3.	_____	_____
----	-------	-------

4.	_____	_____
----	-------	-------

5.	_____	_____
----	-------	-------

Cloverbud Plant A Boot – You need to bring an old boot

Name	Age
------	-----

1.	_____
----	-------

2.	_____
----	-------

3.	_____
----	-------

4.	_____
----	-------

5.	_____
----	-------

Cloverbud 4-H Pledge

Name	Age
1. _____	
2. _____	
3. _____	
4. _____	
5. _____	

Cloverbud Rockets

Name	Age
1. _____	
2. _____	
3. _____	
4. _____	
5. _____	

Cloverbud Reduce, Reuse, Recycle Complete Photo Form Too

Name	Age	Wearable/Inside/Outside
1. _____		
2. _____		
3. _____		
4. _____		
5. _____		

- **Reminder All Cards and The Infomercial will be judged before Contest Day. Cards will be on display. The top 5 from each category will be sent to the state competition. Unless you are competing in another category the competitors do not need to attend contest day.**
- **Dog poster contestants must bring the enclosed signed 2023 registration form to advance to state competition. OSU Extension will pay the postage to send the dog posters to the state fair.**
- **Horse posters do not go on to the state event this year.**

Date _____ County _____ Exhibitor's Age (as of Jan. 1) _____

Name _____ Email Address _____

Mailing Address _____

City _____ Zip _____ Phone _____

Dog Project(s) Enrolled In (Circle All That Apply):

You and Your Dog 201D	Showmanship 201S	Obedience 201O
Performance 201P	Working Dog 201W	4-H PetPALS 230
All About Dogs 200	Dog Achievement Program 202	

Poster Age Division (Circle One): Junior (8-11 as of 1/1) Intermediate (12-14 as of 1/1) Senior (15-18 as of 1/1)

Title of Poster _____

(1) As parent/guardian, I verify this entry made in the Ohio State Fair Dog Show Poster Contest meets the rules under which my child will exhibit, that all of the information on the entry is truthful, complete and accurate, and that my child has made their own poster. (2) As exhibitor, I verify I have read the State Fair Dog Show Poster Contest rules and agree to abide by these rules and have made my own poster. (3) As 4-H advisor, I verify the 4-H member is in good standing in the club and is enrolled in a 4-H Dog Project. (4) As Extension Educator/Professional, I verify the exhibitor is a 4-H member in good standing in the county and is enrolled in a 4-H Dog Project. Any photographs taken of me or of anyone over whom I am legal guardian become the sole property of the Ohio Expositions Commission. Such photographs may be used at the Commission's discretion without compensation to or prior approval from me.

(1) Parent _____ Date _____ (3) 4-H Advisor _____ Date _____

(3) Exhibitor _____ Date _____ (4) Co. Educator _____ Date _____

All Poster Entry Forms and Posters must be sent to OSF Dog Poster Contest, Nationwide & Ohio Farm Bureau 4-H Center, 2201 Fred Taylor Dr., Columbus, OH 43210, and be postmarked by June 21.

Entry Information and Deadline

- Youth must be enrolled in a 4-H dog project or with a dog in 4-H PetPALS to participate in the Poster Contest but need not own or show a dog.
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- Posters must be made using size 22" x 28" regular poster board.** Do not use foam core poster board or science fair display boards.
- Posters MUST be constructed and displayed horizontally.**
- Do not mount poster boards on any type of stiff backing.
- Shadow boxes, overlays, peek-through or lift-up windows or three-dimensional posters are not permitted. Items hanging off the sides of the poster are not permitted.
- Stick-on letters and stickers are permitted.
- It is not a requirement for posters to be laminated; however, lamination may help preserve the poster. Please know that **posters will be hung with duct tape**. We will make every effort to protect your poster but can't guarantee they won't be damaged. If you are worried, please laminate.
- Each poster must be **clearly labeled in the front lower right hand corner with the exhibitor's name, county, and age as of January 1, 2023.**
- Refer to the Poster Contest Rules in the *2023 Poster Contest*, rule information. Posters will be judged on Educational Content (50 pts.), Neatness/Appearance (30 pts.), and Originality (20 pts.). A score sheet can be found at www.osu.edu/osfdogs.
- Poster score sheets are used for judging only and will not be returned to the exhibitor.
- Posters will be displayed in the Voinovich Trade Center during the State Fair Dog Show. All posters that place will be displayed throughout the Dog Show. Depending on the number of other posters received, a certain percentage of posters will be displayed each day.
- Posters will be released after the awards presentation on Tuesday, July 18 or after they have had their turn at being displayed. Exhibitors who are not present on July 18 should have a representative take their posters to them following the Ohio State Fair Dog Show.



Jefferson County Office
115 S. 3rd Street
Steubenville, OH 43952
(740)266-6899

Belmont County Office
107 Plaza Drive Suite R
St. Clairsville, OH 43950
(740)296-5376

www.JBGreenTeam.org
Executive Director Anita Petrella



"REDUCE REUSE RECYCLE REVUE" FASHION SHOW

PHOTO RESEASE FORM

Date: _____

Participant Name: _____ AGE: _____

4-H Club Name: _____

Club Leader Name: _____

School: _____ GRADE: _____

As parent or guardian of the above named student, I hereby consent to the use of photographs/videotape taken during the course of the event for publicity, promotional and/or educational purposes (including publications, presentations or broadcast via newspaper, newsletter, internet or other media sources including social media). I do this with full knowledge and consent and waive all claims for compensation for use.

____ Yes, I give consent for the JB Green Team (JBRSWA) to photograph my child for this event purposes.

____ No, I do not authorize the JB Green Team (JBRSWA) to photograph my child for this event/contest.

Parent Name: _____ Date: _____
(Please Print)

Parent Signature: _____

Phone/Cell Phone: _____

**4-H Conservation
Camp**

Open to all youth
age 13+
June 2nd-4th
Cost \$110.00

LOCATION:

4-H Camp Piedmont
334221 4-H Club Rd
Piedmont, OH 43983

SPECIAL GUESTS

ODNR
MWCD
Harrison Soil & Water

SPECIAL EVENTS

Cast Iron Cookery
Aquatic Studies
Trail Hiking + Team
Building
Birds of Prey Demo

**SATURDAY NIGHT
PRIMITIVE CAMPING
ON VESPER HILL!**

4-H Conservation Camp 2023

Camp Piedmont: June 2nd-4th

The first annual 4-H Conservation Camp is a jam-packed weekend filled to the brim with all things wildlife and exploration for campers 13+. This camp is held at 4-H Camp Piedmont located in Belmont County, Ohio. This camp offers opportunities for campers to learn and work alongside ODNR, Muskingum Watershed, Harrison Soil and Water, and OSU Extension professionals.

Campers will participate in sessions on animal/insect identification, outdoor cookery, aquatic studies, hunting and trapping, and spend the Saturday of that weekend camping outdoors in nature!

Missing the traditional camping activities? No problem! Campers will have opportunities to make crafts, boat, fish, hike, and take part in traditional campfires! All activities are conducted under the direct supervision of our trained counselors and 4-H Staff. To register, please visit:

<http://go.osu.edu/CPConservationCampReg>



**THE OHIO STATE
UNIVERSITY**

COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES

J.C.F.B.

OPEN HORSE SHOW

JUNE 11, 2023

Friendship Park, County Road 23, Smithfield, OH

All Classes Subject to Change Day of Show

Halter Classes 9:00 am

*****Entry fee \$5.00*****PAYBACK RIBBON ONLY*****Except Class 3*****

- | | |
|-----------------------------------|--|
| 1. Registered Miniature Horses | 7. Registered Paint & Appaloosa Horse |
| 2. Colts & Fillies 2 yrs & Under | 8. Pee Wee Showmanship 8 Yrs and under |
| 3. Open Showmanship | 9. Youth Showmanship 9-13 Yrs |
| 4. Non-Registered Horses over 58" | 10. Youth Showmanship 14-19 Yrs |
| 5. Registered Quarter Horse | 11. Adult Showmanship 20 Yrs & Over |
| 6. Pony Halter 58" & Under | |

PERFORMANCE CLASSES

*****ENTRY FEE \$6.00*****Jackpot Back \$3.00 of the \$6.00*****Cash Only*****No Refunds*****

- | | |
|--|--|
| 12a. Open Driving | 29. Walk/Trot Western Horsemanship - all ages |
| 12. Lead-line Riders 6 yrs & Under Horse or Pony | 30. Open Pleasure - all ages - Western/English |
| 13. Beginner Walk Trot Rider 8 yrs and under | 31. Registered Quarter Horse Pleasure |
| 14. Open Snaffle Bit Pleasure Horse 5 yrs & Under
Bosal Permitted | 32. Registered Paint or Appaloosa Pleasure |
| 15. W/T English Equitation 20 yrs & Over | 33. 2 Gaited Pleasure |
| 16. W/T English Equitation 19 yrs & Under | 34. 3 Gaited Pleasure |
| 17. Open English Pleasure - All Ages - Horse or Pony | 35. Youth Pole Bending - 19 yrs and Under |
| 18. Open Western Pleasure - All ages | 36. Open Pole |
| 19. Youth 9-13 yrs - Pleasure | 37. Thread the Needle |
| 20. Youth 14-19 yrs - Pleasure | 38. PeeWee Barrels - 8 yrs and Under |
| 21. Jack Benny Walk/Trot - Riders 30 yrs. & Over | 39. Youth Barrels - 19 yrs and Under |
| 22. Pony Pleasure 9-13 yrs | 40. Ladies Barrels |
| 23. Pony Pleasure 14-19 yrs | 41. Open Barrels |
| 24. Walk/Trot Western Horsemanship -
19 yrs and Under | 42. Youth Flag Race - 19 yrs and Under |
| 25. Walk/Trot Western Horsemanship -
20 yrs. and Over | 43. Open Flag Race |
| 26. Open Western Horsemanship - All Ages
Horse or Pony | 44. Down and Back |
| 27. Open English Equitation | 45. Jug Race |
| 28. Walk/Trot Pleasure English/Western Horse/Pony | 46. Cone Bend |
| | 47. PeeWee Cone Bend - 8yrs and under |

Jefferson County Agriculture Society **WILL NOT** be responsible for any accidents or losses which may occur to an exhibitor, spectator, animals, or equipment. Participants are required to wear proper English or Western Attire, which includes boots and western shirt (long or short sleeve) **NO BALL CAPS!!** All participants under the ages of 19 **MUST USE ASTM/SEI** certified riding helmet. The society reserves the right to cancel or make any changes or split any classes as needed.

In case of bad weather, call before you haul.

Contacts: Gail Rine 740-317-3579 Debbie Hukill 740-632-3169 Dick Rine 740-632-0233 Deb Grimes 740-424-4996



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For an accessible format of this publication, visit cfaes.osu.edu/accessibility.

AMERICAN POULTRY ASSOCIATION 150th Anniversary

PHOTO CONTEST



TOP 10 PHOTOS IN EACH CLASS RECEIVES A
\$25.00 APA GIFT CERTIFICATE

The winning photos will be displayed at the 150th Anniversary Celebration Meet in Columbus Ohio where special Exhibitor Choice Awards will be given to the top 5 photos in each class.

Submission Deadline: September 1, 2023

Guidelines:

- Contest is open to all current members of the American Poultry Association.
- Photos will compete in the Open Class (18 and older) or the Youth Class (17 and under) .
- Photos should be of individual breeds recognized by the APA in scenic outdoor settings.
- Photos must be an original photo taken by the member. No professional photographs by others will be accepted.
- Photos should be submitted via email in a JPG format to :
apaphotocontest@gmail.com.
- All submissions must include your name, class and contact information along with the JPG.

Photos submitted for this contest may be used at the discretion of the American Poultry Association, in APA publications or on the APA website. When you enter this contest, this constitutes your approval.

Signed or watermarked photos, not accepted.

Gift Certificate may be used in our APA Store or to renew your membership.

2023 4-H Youth Development Calendar

May

May 1 – Last add/drop day for 4-H projects

May 1 - Most Outstanding Exhibitor achievement form and cover letter due to OSU Extension by 4 pm. Reminder MOE contestants are required to complete in-person Skillathon.

May 1 – Jefferson County online Skillathon opens

May 2 – 6 pm In-person \$25 Last Chance Quality Assurance/ 5 pm Tag pick-up located at the Jefferson County Fairgrounds

May 6 – Tag-in for hogs, lambs, market goats, dairy feeders, dairy beef feeders

May 6 -7 – Counselors primitive camp training. (The evening of the 6th and half a day the 7th) This is recommended not required and will work toward the required counselor training hours.

May 9 – 4-H Committee, OSU Extension

May 12 – Last day to register for Jefferson County 4-H Camp. No reservations will be accepted past this day whether received by mail or in-person. Also, all money for camp must be paid by this date.

May 29 - Junior Leaders 5 pm Extension office, Rabbit class 5 pm. 2nd floor office building, Still project/small animal subcommittee 6 p.m., Horse subcommittee 7 pm, Livestock subcommittee 8 pm, Extension office
May 30- Ohio Online Skillathon Opens (which also serves as the Jefferson County Online Skillathon)

June

June 1 – All Horse and Dog ID, and associated paperwork due to OSU Extension office by 4pm ; 4-H Club activity and book fees due.

June 1-5 - State Leadership Camp, Camp Ohio

June 2-4 – Horse Camp with In-person Horse Skillathon, Jefferson County Fairgrounds

June 3 – Cloverbud Horse Camp, 2-4 pm Jefferson County Fairgrounds. Open to all Cloverbuds.

June 4-7 – Jefferson County 4-H Camp, Elkhorn Valley, Bergholz, OH

2023 4-H Youth Development Calendar

June 9-11 – Special Needs Camp at Canters Cave

June 10 – Horse PAS show

June 11 – Jefferson County Fairboard Horse Show

June 11-16 – Camp Canopy Forestry Camp, Carroll County

June 12-14 – In-person Jefferson County Skillathon at OSU Extension office building, 2nd floor meeting room. Required for Most Outstanding Exhibitor contestants. Monday noon – 4 pm, Tuesday and Wednesday 8am-4pm. (No in-person horse on these dates. In-person Horse Skillathon will be held at Horse Camp and at Contest Day.)

June 14 – Contest Day, 5 pm Jefferson County Fairgrounds

June 14 - In-Person Horse Skillathon, 5-7pm, Jefferson County Fairgrounds

June 14 – Contest Day Cloverbud Camp, 5:30 pm Jefferson County Fairgrounds

June 18 – 23 – Washington Focus 4-H Camp

June 18 – 4-H Space Camp tentative hold week

June 19 – 20 – State STEM Camp

June 20 – Ohio State Fair livestock entry deadline

June 23 – 25 – Junior Shooting Sports Camp, Canters Cave

June 30 – Ohio/Jefferson County online Skillathon closes

July

July 8 – Project Judging Day

July 9 – 14 – Senior Shooting Sports Camp, Canters Cave

July 10 – Fair entries due to the Jefferson County Fairboard Office

July 15-19 -Sea Camp, Lake Erie, tentative hold dates

July 17 – State 4-H Horse Judging Contest

July 17 – In-Person Ohio State Fair Horse Skillathon

July 17 – 21-Ohio State Fair Junior Horse Show

July 20 – Ohio State Fair Horse Show – Classical and Western Dressage Show

July 26 – Aug. 6 – Ohio State Fair

August

August 13 – Jefferson County 4-H Awards, 6pm

August 14 – Cloverbud Camp 12-3pm

2023 4-H Youth Development Calendar

September

September 8-9 – State 4-H Competitive Trail Ride

September 14 - Most Outstanding 4-H'er applications due by 4pm

October

October 2 – Most Outstanding 4-H'er interviews

December

Dec. 2 – Ohio 4-H Horse Show Judges Conference

KEY LEADERS – DO YOU NEED HELP WITH YOUR PROJECT? WHO DO YOU CALL?

Beef
Bonnie Randolph - 740-275-6728

Dairy
Steve Griffith- 740-232-5755

Dog
Lorrie Raymond- 740-381-7793

Goat - Market
Tonnie Nicholson- 740-381-2795

Goat - Pygmy/Companion
Jessica Sudvary- 740-317-8096

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

Horse
Debbie Grimes – 740-424-4996
Carl Glenn – 740-543-3136

State 4-H Saddle Horse Representative for Jefferson
County
Robin Wedlake – 740-424-7606

Poultry (Include All Chickens, Ducks, Geese, Fowl, Etc.)
Emily Lamantia - 740-317-7454 Marlene Lamantia- 740-
632-1518

Rabbit
Tammy Mazzaferro – 740-346-6306

Sheep
Jamie Wiley-740-275-6508

Shooting Sports and Cloverbuds-
Leslie Aftanas- 740-264-2212

Small Animal (Lizards, Cats, Turtles, and more)
Corbin Hoffman- 740-424-3231

Project Judging Day

will begin at 9:30 am on July 8
at the Jefferson County Fairgrounds

Advisors, please email Allison.325@osu.edu
lists of attendees and/or your advisor sign-
off project members no later than June 30.
Do not text this information. Do not email
Leslie Aftanas with this information. The
schedule is the same with cooking/home
economics projects in the morning. Natural
Resources projects are scheduled to begin in
the afternoon at 1pm. Judging lists complete
with times will be posted to Facebook on
July 6 with for all project judging youth
participating in interviews.

**August 12th, 2023
from 5-7pm**

the Jefferson County Farm Bureau
will be serving Hotdogs and Chips
for all exhibitors bringing their
animals to the fairgrounds!



LESLIE'S CORNER

Cloverbud and J-Fit



Leslie Aftanas
Program Assistant 4-
H/ANR
aftanas.2@osu.edu

Activities for Meetings for J-Fit Honor form, Cloverbud or recreation leader

May & June are good
month to fly kites.
Take your favorite
kite out and have fun.
(**Kite Bead**)

Go fishing with the
family, friends or
maybe as a club (**fish
bead**)

Go to a zoo. Let
everyone know what
your favorite animal
was.
(**Elephant bead**)

Cloverbud Activity for your meeting

May activity for your meeting- Go berry picking. Strawberries, blackberries, and raspberries are ready for the taking in May. If you can't go out, make a fruit tray. (**anatomical heart**) Let's ride a bike or learn how to. Or take training wheels off. (**gear bead**)

June activities - School is out. Talk about something that happened this year at school. (**ABC bead**)

Attend a baseball /softball game weather it's a Pittsburgh Pirates, Cleveland Guardians, a local school game, or even just play a game of wiffle ball. (**baseball bead**)

Bonus Rainy day activity- plan a trip to the National History museum. Take the Museum Scavenger Hunt page complete it bring back to meeting or go as a Cloverbud trip. (**umbrella bead**)

Bonus taco day Cinco De Mayo day is May 5th . Help make tacos or have taco in a bag at meeting. (**sombrero bead**)

Just for fun

**What was the first animal in space? The cow that jumped over the moon.
What so you call a sleeping bull? A bull-dozer.**

**Holidays May 14th Mother's day make a card or craft for her.
June 11th is National corn on the cob day**

Dates to remember for Cloverbuds

Beads for these events will be passed out that day

June 3rd Cloverbud Horse camp 2-4pm Bulling is ? (**Certificate and Bull Bead**), Roping (**field day ribbon bead**) crafts wooden horseshoes and noodle horses (**horse bead**), horse poster (**test bead**) water, fruit snack, and chips will be provided.

June 14th Contest Day 530 till 7 Learn about railroad safety. (**clock bead**) Plant a boot bring your boot with you (**sun bead**), American turtle craft (**superstar**) Make **AT HOME** your own 2-liter bottle rocket, (Decorate and name it) and we will launch it. (**highflyer bead**)

August 14th is Cloverbud Camp

September no activities

October 14th Fall Fest Truck or Treat plus much more.

**KEEP COLLECTING TABS FOR RONALD MCDONALD HOUSE (POP TABS) TURN IN AT ANY EVENT
(POP TAB BEAD)**

Practice your 4-H Pledge

Cooperative Connection



Jefferson County Extension

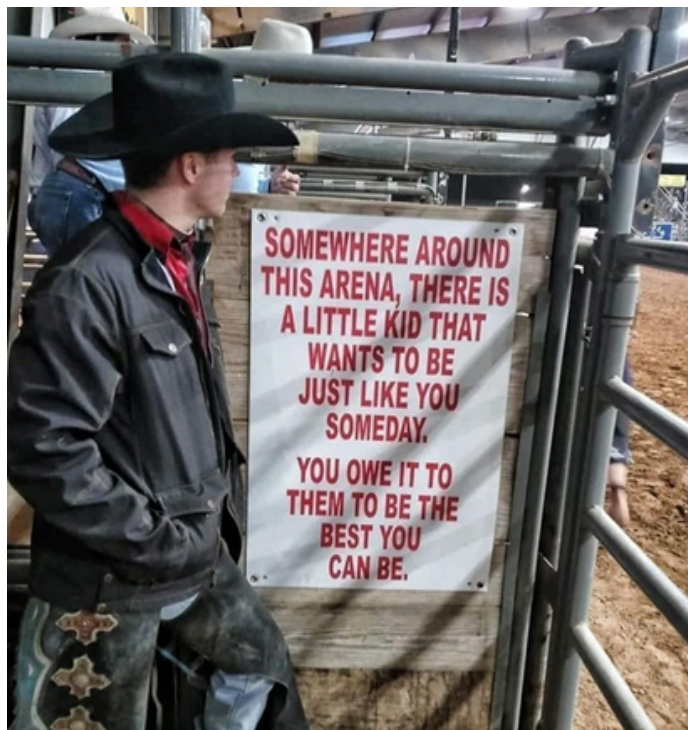
MUSEUM SECAVENGER HUNT

1. A CHILD
2. PAINTING OF A BATTLE
3. ARTWORK USING PLANTS
4. A FAMOUS PLACE
5. SOMETHING MADE OF STONE
6. SCULPTURE AN ANIMAL
7. PAINTING THAT USES SHAPES
8. SCULPTURE MADE OF STONE.
9. PAINTING USING WARM COLORS
10. A MUSEUM TOUR GUIDE
11. PAINTING USING COOL COLORS
12. SOMETHING HAPPY
13. SOMETHING BLACK AND WHITE
14. A FLOWER
15. A "DO NOT TOUCH" SIGN
16. A BIRD
17. PAINTING WITH NO PEOPLE
18. AN INFORMATIONAL BROCHURE
19. ARTWORK WITH BRIGHT COLORS
20. SOMETHING GREEN
21. SOMETHING YOU LOVE
22. SOMETHING WHEELS
23. SOMETHING HARD
24. SOMETHING WITH HAIR
25. SMALLER THAN A MOUSE



FIND ALL RECEIVE A BEAD

**Please remember in
actions and words,
at 4-H events and at
the county fair.....**



**See Pages 51-53 for the
2023 4-H and Youth Development
Calendar!**



ACCESS TO ALL 2022 JEFFERSON
COUNTY 4-H ID FORMS,
REGISTRATIONS, LINKS, AND
INFORMATION PACKETS CAN BE
FOUND ON OUR [FACEBOOK](#) PAGE
AND [WEBSITE](#)!

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!

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

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