

CFAES

OHIO STATE UNIVERSITY EXTENSION

Jefferson County

Cooperative **CONNECTION**

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



MARCH - APRIL | 2020



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Letter from the Editors

Dear Readers,

Spring is almost here, and we have survived yet another winter of wet, muddy conditions!

We would like to thank everyone who participated in our lineup of winter programs this year! We had great participation at both 4-H and agricultural events - we had well over 200 participants at both the Overnighter and Valentines 4-H Update and Dance. February was also a big month for pesticide applicator training. Anyone still wanting to take the pesticide and fertilizer exams in order to obtain an applicator's license, refer to page 6 of this issue of the *Cooperative Connection* for an exam schedule.

March is also looking to be a busy month - Iron Chef is coming up fast! The East Ohio Women in Agriculture Conference is on Thursday, March 19th at RG Drage Career Center in Massillon - please note the day change from last year. We have an exciting line-up of speakers covering topics including: farm insurance, loans, building relationships with veterinarians, raising livestock on 5 acres or less, cooking with cast iron, tractor operation, and much more! All ages are encouraged to attend - see you there!



In other news, some of you may have heard about spotted lanternfly being 'spotted' in Conway, Pennsylvania. This is a big jump from where it was previously found. An article posted in the Aliquippa newspaper, *The Times*, reported that egg masses, which resemble patches of mud on hard surfaces including trees, were found in an area surrounding a local rail yard. Spotted lanternfly was first identified in Berks County, PA, which is located in the Philadelphia area. Since its arrival, sightings and infestations have been reported in 10 states along the east coast, with infested counties being placed under quarantine. Currently, Beaver County,

where the Conway egg masses were found, is not under quarantine, but we encourage everyone to keep a lookout for this pest. Conway, PA is only 20 miles from the Ohio border and about an hour's drive from the Steubenville area. Report suspected insects to the Great Lakes Detection Network, Ohio Department of Agriculture, or your local Extension office.

And finally, general Extension programs that are open to all audiences can be found on pages 3-10. Information on 4-H youth clubs and programs are found on pages 11-17, and these pages are marked with the 4-H emblem. Newsletters will be available through both email and snail mail subscriptions, or if you happen to lose your copy, newsletters will be posted on our county website: jefferson.osu.edu.

Happy Spring!

ANGIE ALLISON
4-H Youth Development

ERIKA LYON
Agriculture & Natural Resources

MUDDY ISSUES: MASTITIS & SCOURS

By Christine Gelley, OSU Extension, Noble County

We finally got some snow and freezing temperatures! At our house, we didn't get snow a single day that our Christmas decorations were up, but snow on Valentine's Day was appreciated. Fresh snow provides a refreshing look to the landscape when it covers up all the muck and brown underneath it. However, those cold temperatures are still not lasting long enough to firm up the ground and as soon as we track through that snow, our break from reality is over.

Mud creates challenges with mobility both for our animals and equipment. Aside from complicating the logistics of caring for the farm, mud increases our risks for herd health complications too. Many producers have babies on the farm right now. It is important to watch out for signs of mastitis with the mothers and scours with the young.

Lactating animals are at greater risk of mastitis infections when it is muddy. Contaminants on the udder tissue can enter the mammary glands through the milk ducts and cause inflammation. Mothers with mastitis may not allow their young to nurse at the needed length of time or frequency due to pain. The udder may feel hard or hot. Many cases of mastitis occur and pass before we ever notice, but some more acute cases can cause lasting damage to the mother's mammary tissue and reduce the growth of her young.

As soon as possible after birth and if you are able, check that each teat produces colostrum (the first and most crucial milk). Getting colostrum into a newborn within the first few hours is critical for the long-term health of the animal. The best source of colostrum is from the newborn's mother. If this is not possible, the next best choice is another mother of the same species from your farm. After that, the next best choice is a colostrum replacer. The nutrient composition of milk is different from species to species and there are diseases that can be passed through milk from farm to farm. Therefore, do not substitute across species or with milk from another farm.

In addition, do not pasteurize colostrum. It will denature the components that make it so special. If you have a mother that produces extra colostrum or in the unfortunate event that a mother dies giving birth or shortly after, milk as much colostrum from her as you can and freeze it. Thaw frozen colostrum/milk in a warm water bath, never in the microwave.

For more tips consult <https://u.osu.edu/beef> or <https://u.osu.edu/sheep> by typing "colostrum" into the search bar. There are many helpful articles available on the OSU Extension Team websites that you can access 24/7.

Another very helpful article was featured in Farm and Dairy recently by my colleague in Belmont County – Dan Lima – about scours. It can be viewed online at <https://go.osu.edu/scoursbydan>. In his article, Dan reminds us that muddy conditions put calves (and other young) at a higher risk of developing scours, which is most obviously noticeable as diarrhea. Scours can be caused by a variety of organisms present in mud. The most common being *Escherichia coli*. Often the young will pick up the bacteria (or other pathogens) from mother's udder tissue while nursing. Scours can be very detrimental to young animals because it causes dehydration and weight loss.

Young that receive adequate amounts of colostrum at birth receive helpful antibodies from their mothers that provide the immune system responses needed to combat the pathogens that cause scours. Vaccines can be administered to mothers in the weeks before calving that can also increase immunity in their young to scours.

In both mastitis and scours cases, the best way to keep issues at bay is through prevention. Do everything in your power to provide a relatively clean birthing environment and promote healthy immune systems.

Cull mothers that do not adequately care for their young or that have poor udder structure. If the udders are not conformed to aid the young nursing, they will struggle. If the udder bag is abnormally saggy, there is a greater chance of contamination of manure on the teats. Make notes at birth and after regarding mothering capabilities and resist the urge to give too many chances to mothers that create problems for you. A mother that does not do her job is a liability rather than an asset and will likely pass those traits on to her young. For lasting success, only keep the assets on your farm.

Good luck as we traipse through the rest of this muddy winter together!



Discover more about
poultry production at
u.osu.edu/poultry

NEW APHIS/USDA BIOSECURITY FOR BACKYARD POULTRY WEBSITE

The USDA Defend the Flock program provides information and resources from growers like you, veterinarians, state agencies, scientists, and industry professionals for practicing biosecurity. The Defend the Flock website includes a wealth of materials that are available to the public at no cost - from webinars to fact sheets as well as links to additional poultry resources.

Visit go.osu.edu/usdaflockdefender to learn more.



USE OF GUARD LLAMAS IN AN INTEGRATED PREDATOR CONTROL SYSTEM

By Natassaja Boham, Makenzie Doherty, and Jordan Johnson, OSU Animal Science Undergraduate Students
Brady Campbell, Program Coordinator, OSU Sheep Team

In our latest Ag-note, Animal Sciences students Natassaja Boham, Makenzie Doherty, and Jordan Johnson highlighted a unique ruminant species (pseudo ruminant that is) that can be used in any livestock operation as a means to control for predators. Ohio legislation is beginning to reassess the status of the coyote in terms of being a fur-bearing animal, and as a result, producers may be limited in how they are able to trap these predators. Producers may be forced to find alternative means to manage this controversial wildlife livestock interaction.

The llama, not to be mistaken with the alpaca, is a large framed, cloven hoofed pseudo-ruminant (3 chambered stomach) that originates from South American. Due to their size and natural 'flocking' instinct, llamas have proven to be beneficial guard animals in livestock production systems, especially with small ruminants. Due to their size alone, llamas pose a threat to incoming predators. Llamas have been shown to be most effective against canine species such as coyotes, red fox, wolves, and of course, the domestic dog. When thinking of llamas, some may remember the time that they may have gotten spit on at the county fair petting zoo, but this is not their only defense mechanism. Llamas, having an innate fear of canines themselves and will run and kick at these predators. Due to the commotion caused by this reaction, others in the flock and herd are made aware of the presence of a potential threat, which takes away the element of surprise from the predator. Llamas have also been known to be very vocal during these interactions and will often place themselves between the threat and their flock or herd, forming a protective barrier.

In terms of animal interactions, you may have heard the old saying "if you have one, you better have two in order to keep the other one company," regardless of the species that someone is talking about. However, in the case of guard animals, this is not always the case. According to the authors of *Guard Llamas – A Part of Integrated Sheep Protection*, llamas will perform better when working alone. Prior to flock or herd introduction, it is suggested that young llamas are introduced to a small number of animals in a small area as a way to establish an initial relationship. In most cases, this process has shown to take approximately one week. However, to continue to encouraging bond development, it is recommended that animals remain in close proximity for up to 6 weeks post llama introduction.

Some of the greatest benefits of selecting a llama as a livestock protection animals is the minimal cost associated with implementing this strategy in addition to the return on investment.

When selecting which sex to use for guarding purposes, the preferred animal is a gelding (castrated males). This is not to say that males or females can not be used, but males may attempt to breed mature sheep or goats when in heat and females will be more expensive upfront to purchase.

According to the 2007 NRC, to feed a new world camelid (which includes llamas) at maintenance, llamas are estimated to consume approximately 1% – 1.5% of their body weight on a dry matter basis, which is a relatively low daily intake compared to other species. Most llamas prefer to graze or eat hay, therefore, very little supplemental grain is required. In terms of costs associated with animal care, llamas tend to be low maintenance. According to the authors above, 80% of sheep producers who use llamas as a guardian said that the daily care for their flock and the llama is the same. Therefore, no additional materials need to be purchased when using llamas as an integrated protection animal. Furthermore, due to the structure of their soft-padded hooves, llamas rarely have issues with their feet and are adaptable to a variety of environmental conditions.

Overall, the use of llamas has shown positive effects when integrated into any livestock system as a livestock guard animal. However, there are cases where a llama may not be suited to your specific needs. The key here is don't give up! Some llamas may require more time in terms of training than others. If your llama does not work for the intended purpose, be sure to find a fit elsewhere for their expertise, whether that be on your operation or someone else's. Remember, llamas are helpful guardians, but they should not be your only method to prevent predation! In order to fully protect your flock or herd from predators a combination of control methods should be practiced.

SPRING IS IN SIGHT

By Carri Jagger, OSU Extension, Morrow County

This has been a long, unpredictable, wet winter. Thank goodness spring is in sight, Thursday March 19th will be the first day of spring. With this being said, it's time to start thinking about planning vegetable gardens. If starting a new garden, soil testing the site where the garden will go is a good idea. If it is an existing garden and the soil has never been tested, now would be a good time to think about testing it. Your local OSU Extension office can help you with soil testing.

Another gardening task to be thinking about is seed starting. Growing plants from seed is a lot of fun and now is the time to be doing this. Seeds can be started indoors under a grow light or in a bright window. A few seeds that can and should be started indoors early are: tomatoes, peppers, eggplant, broccoli, Brussel sprouts, cabbage, and cauliflower to name a few. Tomatoes, peppers and eggplant should be started now and the others can be started later in March.

A few supplies will be needed when starting seeds.

- Seed starting soilless mix
- Seed starting containers
- Labels
- Spray bottle
- Plastic wrap
- Seeds



When starting seeds, special seed starting kits can be purchased - however creativity is more fun. A simple egg carton with popsicle stick labels will work, just make sure to poke holes in the egg carton for drainage. Place the seed starting mix in egg cartons or seed starting trays then pre-moisten the soil. Pick out seeds and poke them in the soil one seed per cell. Make sure to label the seeds so that it isn't a mystery when it's time to transplant them. Lastly, cover the seeds with plastic wrap to create a mini greenhouse that will help hold moisture and heat in the soil until the seeds germinate. Once the seeds germinate, take the plastic wrap off and keep in a bright window or under grow lights. Trays may need to be turned if the plants start to stretch towards the light. Plants should also be given a little brush with your hand every day to help strengthen them up - this mimics the wind. Once plants have gotten one set of true leaves, transplant them to a larger container with one plant per container. When the temperatures start to warm up, gradually introduce the plants to the outdoors where they will become hardened-off.

Contact Carri Jagger, OSU Extension Educator - Morrow County with any questions at jagger.6@osu.edu.

For more information about seed starting, visit: <https://extension.unh.edu/resource/starting-plants-seed-fact-sheet>.

EXTENSION'S MOST WANTED



CALLERY PEAR



A native of Asia, Callery pear (*Pyrus calleryana*) was intentionally brought to the US for its resistance to fireblight, beautiful white blooms and glossy leaves. A common cultivar used is the 'Bradford' pear, which is susceptible to storm damage and overplanting. Other cultivars were developed, but eventually began to cross and spread. Callery pear is now replacing many native species of trees and is considered an invasive species in Ohio.

Instead of planting Callery pears this year, try some of Ohio's wonderful native trees that produce similar showy blooms. Serviceberry, black tupelo, and willow oak are common recommendations. Flowering dogwood, kousa dogwood, fringe tree and Carolina silver bell are also good alternatives and can grow to similar heights as Callery Pear.

Visit go.osu.edu/ohalternativeplants for information on common invasive plants found in Ohio and options for replacements.

AG DISTRICTS MEETING

Thursday, March 12th, 7PM

Jefferson JVS, 1509 County Highway 22 A, Bloomingdale

The Jefferson County Farm Bureau will be hosting a meeting to cover the topics of ag districts - and why you should consider being a part of one. Leah Curtis, Policy Counsel for the Ohio Farm Bureau Federation will discuss the benefits of being a part of an ag district as well as how it can protect your farm from nuisance lawsuits. Rory Lewandowski, OSU Extension Educator, Wayne County will talk about manure management - and about how you handle it that can grab your neighbor's attention. A local ag district update will be provided by EJ Conn, Jefferson County Auditor.

Cost of registration is free for Farm Bureau members and \$25 for non-members, and pre-registration is requested. Contact the Jefferson County Farm Bureau at 740-266-6603 or jefferson@ofbf.org for more information and to register.



Our Century Together
CELEBRATING 100 YEARS
OF OHIO FARM BUREAU

2020 PESTICIDE & FERTILIZER APPLICATOR CERTIFICATION

EXAM SCHEDULE

for private & commercial applicators



9AM-1PM

Wednesday, March 25th
@OSU Extension Harrison County

Wednesday, May 27th
@OSU Extension Jefferson County

Thursday, August 27th
@OSU Extension Jefferson County

Tuesday, October 6th
@OSU Extension Harrison County

Monday, November 23rd
@OSU Extension Jefferson County

Register for exams on the Ohio Department
of Agriculture Pesticide Program website:
go.osu.edu/pesticideexam



Study materials
available at
pested.osu.edu or
check in with your
local Extension
office.



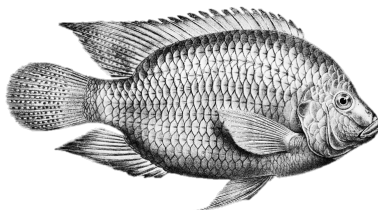
Conservation in Your Backyard



Tuesday, March 3rd, 6PM
Pruning Fruit Trees
Bill Packer, Packers Orchard
Location: Harrison Co. Fairgrounds



Tuesday, April 7th, 6PM
Brewery Tour
Bill & Heidi Ryan, Dungeon Hollow Brewing
Location: 572 Co. Rd. 22A, Bloomingdale, OH



Tuesday, May 5th, 6PM
Aquaculture
Location TBA



Tuesday, June 2nd, 6PM
Mushroom Manure & Other Garden
Soil Amendments
Erika Lyon, OSU Extension
Location: TBA



THE OHIO STATE UNIVERSITY

March signals the start
of Conservation in Your
Backyard (formerly
Backyard Food Production)
monthly workshops. Join
us for sessions covering a
range of topics, including
pruning, hops, composting,
fish management, and
much more! These
workshops are free to
attend, but contact the
Harrison SWCD so we
know how many to expect.

HARRISON



SOIL & WATER
CONSERVATION DISTRICT

YES, YOU CAN HAVE YOUR TIMBER...AND WILDLIFE TOO!

this is the second session in the series

MARCH 17, 2020

Jefferson County JVS
1509 Co. Hwy 22A, Bloomingdale, OH

Doors open 5 PM

Dinner served from 5:15 PM to 6 PM

Cost: \$5 per person

RSVP by March 13, 2020 at

imoore@jeffersoncountyoh.com or 740 264-9790

What's New with Invasive Species

Erika Lyon, OSU Extension

How Invasives Impact Wildlife Habitat

Travis Bowman, Nat'l Wild Turkey Federation

Increase Your Wealth & Woodland Health: Tools &
Resources to Sustainably and Profitably Manage

Woodlands on Your Property

Jamie Regula, ODNR, Division of Forestry

FARMERS' WINTER BREAKFAST SERIES

Location: 500 Market Street, Suite 512,
Steubenville, OH

Cost: \$5/person, breakfast included

Pre-Registration Required: Register by contacting
OSU Extension at 740-264-2212, or send an email
to lyon.194@osu.edu the Wednesday prior to each
session.

2020 Schedule of Topics:

March 20th

Industrial Hemp Production in Ohio

Erika Lyon, OSU Extension, Jefferson & Harrison Counties

April 17th

Record Keeping & Managing Farm Account Ledgers

Chris Zoller, OSU Extension, Tuscarawas County

FARM TAX UPDATE

MARCH 24th 6-7:30PM

Harrison County Fairgrounds

Commercial Building

550 Grant Street, Cadiz, OH*

***this location has changed from previous newsletter**

Pre-registration is required for seating, refreshments and
handout preparation by Monday, March 23rd.

Registration: \$5.00 per person (cash or check only)

Checks: make payable to OSU Extension

Guest Speaker: David Marrison, OSU Extension Coshocton
County. Dave is an Extension Educator who specializes in
Farm Succession Planning, Ag Business Planning, Oil, Gas,
and Farm Tax Management. He is also co-leader of the OSU
Ag Manager Team.

During this meeting, We will examine year farm tax strategies
and learn more about the new Section 199A deduction for
Qualified Business Income. It is not business as usual in the
world of farm taxes.

For more information and to register contact:

Erika Lyon, OSU Extension-Harrison & Jefferson Counties,
500 Market Street, Suite 512, Steubenville, OH 43952

Phone: 740-264-2212

or

Dan Lima, OSU Extension-Belmont County,
101 N. Market Street, St. Clairsville, OH 43950

Phone: 740-695-1455



**Eastern
Ohio
Grazing
Council**

WINTER MEETINGS & PASTURE WALKS

**4th Thursdays Each Month January
through October**

MARCH 26th

APRIL 23rd

MAY 28th

For more information and to RSVP,
contact Carroll SWCD at
330-627-9852

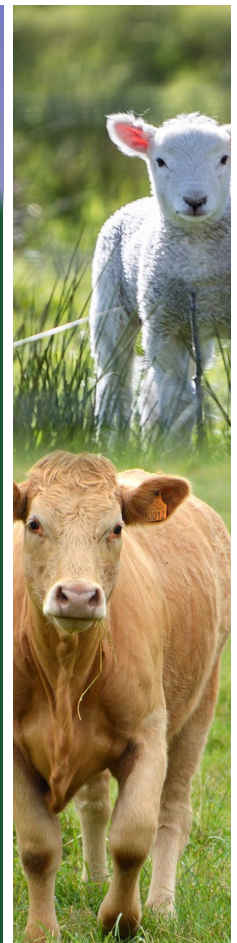
NEXT SESSION:

March 23rd @

Carrollton Elementary School Cafeteria,
252 3rd Street
6PM

Topics: TBA

There is no cost to attend meetings and
pasture walks, and a meal is
provided



EAST OHIO WOMEN IN AGRICULTURE CONFERENCE

Thursday
March 19th, 2020
9 AM – 3:30 PM
R. G. Drage Career Technical Center
2800 Richville Drive SE
Massillon, OH 44646



Who should attend:

Women who are interested in, involved with, or want to become involved in food, agriculture, natural resources, or small business. This one-day conference is a great place to learn, share and network. Be surrounded by other women who are facing the same day-to-day ups, downs, adventures and dilemmas as you.

\$55 Adults/ \$30 Students

Registration Deadline: March 12th

For more information call 740-264-2212

Register online with credit card at go.osu.edu/eowia2020.

Cancellation Policy: If the R. G. Drage School is closed for any reason on March 19, 2020, this Conference will also be cancelled. The event will not be rescheduled. No registration fees will be refunded. All will be held as registration for the 2021 East Ohio Women in Agriculture Conference.



What's in Your Soil?

MONDAY, MARCH 16th 7-9PM
Eastern Gateway Community College
4000 Sunset Boulevard, Steubenville, OH

Don't guess...soil test! But even if you do test your soil's fertility, do you know what the results mean? This class will cover the basics of a soil test report for both farms and gardens. We will also cover the basics of improving soils.

Cost of the program is \$5 per person, and pre-registration is required. Register by contacting Jefferson County Extension at 740-264-2212.

Registration deadline: Friday, March 13th

Bring your soil reports and questions!

MARCH 14th, 2020

Sowing Seeds for Success

2020 Small Farm Conference
& Trade Show

The Ohio State University Mansfield
Ovalwood Hall

Sessions include the latest from horticulture, produce production, natural resources, livestock, specialty crops, farm management, marketing, and more!

You'll also have the opportunity to browse a trade show featuring the newest and most innovative ideas and services for your farming operation. Talk with the vendors and network with your peers. If you are a new or small farm owner, you don't want to miss this event.

Cost of the conference is \$75 per person, and pre-registration is required. Registration deadline is **March 6th**.

For a full listing of sessions and to register, visit go.osu.edu/osufarmconference2020.



Jefferson County 2020 Beginning Beekeepers Course

Jefferson County JVS
1509 County Highway 22 A, Bloomingdale, OH*
Thursdays 6 PM - 8 PM

Join the Jefferson County Beekeepers Association and Ohio State University Extension to learn more about the basics of beekeeping! Joe Kovaleski, EAS Master Beekeeper, co-owner of Buena Vista Honey Farms, and long-time beekeeper will cover all you need to know about starting a hive - no prior experience required.

March 26th

Introduction, Zoning & Legal, Locating a Hive, Public Relations, Apiary Registration

April 2nd

Space & Time Requirements, How to Acquire Bees, Hive Components, Equipment & Protective Gear

April 9th*

Honey Bee Biology, Bee Nutrition, Building Colony Strength, Winterizing Hives
Location change: Schiappa Branch Library, Steubenville, OH

April 16th

Honey Bee Pests & Diseases, Varroa Destructor Mite Biology & Management, Basic Troubleshooting

April 23rd

Assembling Hives & Installing Bee Packages (hands-on class)

Cost of the course is \$75/person, which includes a copy of *Simple, Smart Beekeeping* by Kirsten S. Traynor & Michael J. Traynor.

Pre-registration is required. Send registration to Joe Kovaleski, 167 Rosslyn Boulevard, Steubenville, OH 43952 and make checks out to the Jefferson County Beekeepers Association. Contact OSU Extension at 740-264-2212 with questions about the program.

Saving Jemima

Presented by
Julie Zickefoose
Author of *Saving Jemima:
Life & Love with a Hard-Luck Jay*

March 23, 6 PM
Twin City Opera House
15 West Main Street,
McConnelsville, OH

Sponsors

Morgan County Master
Gardeners • Kate Love
Simpson Library • Twin
City Opera House

Reservations highly
recommended.
Call OSU Extension,
Morgan County
740.962.4854 or email
lindimore.1@osu.edu.
Please indicate if you are
a Master Gardener when
registering. Concessions
will be available.



**More than a wildlife rehab story,
this is the story of life, love and
dealing with great loss; of finding
grace and redemption in bonding
with a wild bird.**



Julie Zickefoose lives and works on an 80-acre wildlife sanctuary in the back country of Whipple, Ohio. She is a prolific writer, painter and Contributing Editor to *Bird Watcher's Digest*. *Natural Gardening for Birds*, *Letters from Eden*, *The Bluebird Effect*, and *Baby Birds: An Artist Looks into the Nest* are joined by *Saving Jemima: Life and Love with a Hard-Luck Jay*.

FARM TRANSITION WORKSHOP series

Save the Dates:

Session #1: June 10, 6 PM-8 PM

Session #2: June 15, 6 PM-8 PM

This two-evening workshop in St. Clairsville is designed to help farm families develop a succession plan for their farm business. Attend and learn to successfully transfer assets and management skills and to have crucial conversations about the future of your farm. This workshop will challenge families to actively plan for the future. Multiple generations are encouraged to attend.

Topics: Providing income for multiple generations, retirement strategies, long term health care issues and costs, tax implications of estate and transition planning, developing the next generation of farm managers, what will my lawyer need from me?, dealing with farm stress, and many more! Registration information for this program will be released in the near future.



SPRING CALENDAR

MARCH

- 3/3 Conservation in Your Backyard @ Harrison County Fairgrounds Commercial Bldg, 6PM
- 3/12 Ag Districts Meeting @ Jefferson JVS, 7PM
- 3/14 Small Farms Conference @ OSU Mansfield Campus
- 3/16 What's in Your Soil @ Eastern Gateway Community College, 7PM
- 3/17 Yes, You Can Have Your Timber...And Wildlife Too! @ Jefferson JVS, 5PM
- 3/19 East Ohio Women in Agriculture Conference @ RG Drage, Massillon, 9AM-3:30PM
- 3/20 Farmers' Winter Breakfast Series: Hemp Production in Ohio @ Jefferson County Extension, 8AM
- 3/24 Farm Tax Update @ Harrison County Fairgrounds Commercial Building, 6PM
- 3/25 Pesticide and Fertilizer Exam @ Harrison County Extension, 9AM-1PM
- 3/26 Eastern Ohio Grazing Council Winter Meeting @ Carrollton High School, 6PM
- 3/26 Beginning Beekeepers' Course: Session #1 @ Jefferson JVS, 6PM

APRIL

- 4/2 Beginning Beekeepers' Course: Session #2 @ Jefferson JVS, 6PM
- 4/7 Conservation in Your Backyard @ Dungeon Hollow Brewery, 6PM
- 4/9 Beginning Beekeepers' Course: Session #3 @ Schiappa Branch Library, 6PM
- 4/16 Beginning Beekeepers' Course: Session #4 @ Jefferson JVS, 6PM
- 4/17 Farmers' Winter Breakfast Series: Farm Account Management @ Jefferson County Extension, 8AM
- 4/23 Eastern Ohio Grazing Council, 6PM
- 4/23 Beginning Beekeepers' Course: Session #5 @ Jefferson JVS, 6PM

**MARK YOUR
CALENDARS!**



OSU EXTENSION PUBLICATIONS

Visit our publications store for field guides, books, and more!
Publications are also available at your local Extension office.

extensionpubs.osu.edu



what's up in **4-H?**



Dairy Palooza **2020**

The 2020 DairyPalooza is celebrating 10 years as being the premier 4-H dairy event in the state of Ohio! This year's event will be on Saturday, April 25 at the Canfield Fairgrounds in Canfield. In the morning, a state-certified Quality Assurance program for 4-H-aged youth will be offered, while adults and Cloverbuds can attend tracks of sessions designed for them. In the afternoon, youth can go to breakout sessions of their choice covering a range of topics – nutrition, showmanship and fitting, reproduction, genomics and more.

Registration starts at 8 AM, with the program beginning at 9 AM. The pre-registration deadline is April 4, and cost is \$6.00 per person. With this, you will receive a t-shirt, pizza lunch, take-home materials, and more. Late- or Walk-in registrations will cost \$10.00 per person, and will not include the t-shirt but will include pizza and take-home materials while they last. People can register as an individual or family online. People may also register as a group. Paper registration is accepted.

The DairyPalooza website is: <http://www.ohiodairypalooza.com>. For more information, please refer to the website and/or contact Lisa Gress at randroliver@gmail.com.

PROJECT JUDGING/CONTEST DAY/SKILLATHON

Please check the calendar for project judging, contest day, and skillathon dates. Skillathon will be available online again this year - watch for the downloadable study guide which will be available in April on Facebook and on the county website. MOE and MO4-H'er applicants will be taking the in-person skillathon at project judging and contest days.



2020 4-H CALENDAR

March

- 3/7: Iron Chef Competition @ Jefferson JVS, 1-4PM
- 3/8: Window decorations in place for 4-H week
- 3/8-14: Ohio 4-H Week
- 3/10-11: Window judging
- 3/10: 4-H Committee @ Jefferson JVS, 7PM
- 3/14: Ohio 4-H Conference, Columbus
- 3/15: Membership deadline for Honor Club status (includes all enrollments, financials from previous year, Charter Checklist, etc.)
- 3/31: All subcommittee meetings @ Jefferson JVS, 5:30-8PM 5:30PM - still project/small animal, 6:15PM - horse, 7PM - livestock
- 3/31: Make-up Advisors Training @ Jefferson JVS, 8PM

April

- 4/6-24: Tag pick-up begins @ Jefferson Co. Extension office, 8AM-4PM M-F
- 4/7: QA/Horse QA/tag pick-up @ Jefferson JVS, 6-8PM (QA begins @ 7PM)
***PRE-REGISTER FOR QA
- 4/15: All club enrollments due
- 4/21: \$25 QA/Horse QA/tag pick-up @ Jefferson JVS, 6-8PM (QA begins @ 7PM)
***PRE-REGISTER FOR QA
- 4/28: All subcommittee meetings @ Jefferson JVS, 5:30-8PM 5:30PM - still project/small animal, 6:15PM - horse, 7PM - livestock

May

- 5/1: Online Skillathon opens
- 5/1: Activity fees due
- 5/1: Last day to add/drop projects
- 5/2: Tag-in for swine, goats, lambs, feeder calves and dairy feeders (no rabbits or poultry)
- 5/26: All subcommittee meetings @ Jefferson JVS, 5:30-8PM 5:30PM - still project/small animal, 6:15PM - horse, 7PM - livestock
- 5/29-31: Horse Camp @ Jefferson County Fairgrounds
- 5/29-30: Piedmont University for camp counselors (Horse camp attendees can utilize horse camp hours but must assist with the coordination of horse camp, specifically Horse Cloverbud Camp)

June

- 6/1-5: State Leadership Camp
- 6/5-7: Shooting Sports Camp
- 6/10: Contest Day @ Jefferson County Fairgrounds (with hands-on Skillathon for MOE and MO4-H'er applicants only)
- 6/17-20: 4-H Camp Piedmont
- 6/21-27: Citizenship Washington Focus Camp
- 6/27-7/1: Leadership Washington Focus Camp
- 6/30: Online Skillathon closes

July

- 7/11: Project Judging Day @ Jefferson County Fairgrounds (with hands-on Skillathon for MOE and MO4-H'er applicants only)
- 7/12-15: Sea Camp
- 7/21: Make-up project judging @ Jefferson Co. Extension Office ***This is the only day for this
- 7/25: Rabbit and Poultry Tag-In (includes OPEN, MARKET, AND PET!!) PETS ARE REQUIRED SO THEY CAN BE PLACED INTO THE PROPER CLASS AT THE FAIR
- 7/29: Ohio State Fair Begins

August

- 8/16: 4-H Awards ceremony @ Jefferson County Fairgrounds
- 8/17: Weigh-In & DUNF drop-off
- 8/18: Jefferson County Fair begins

September

- 9/8: 4-H Committee @ Jefferson JVS, 7PM

October

- 10/13: 4-H Committee @ Jefferson JVS, 7PM
- 10/27: All subcommittee meetings @ Jefferson JVS, 5:30-8PM 5:30PM - still project/small animal, 6:15PM - horse, 7PM - livestock

November

- 11/17: Still project/small animal subcommittee meetings @ Jefferson JVS

PROJECT JUDGING/CONTEST DAY/ SKILLATHON

Please check the calendar for project judging, contest day, and skillathon dates. Skillathon will be available online again this year - watch for the downloadable study guide which will be available in April on Facebook and on the county website. MOE and MO4-H'er applicants will be taking the in-person skillathon at project judging and contest days.

4-H BUSINESS UPDATES

2020 Financials/Club Charters, Club Enrollments and Health Forms are all due by March 15th. Activity fees are due by May 1st in order to be considered an honor club. **If you have a new member at any point in the year, an Honor Club will never be penalized for adding new members (this does not include members transferring from club to club - all transfers for Honor Club Status need to be completed by March 15th). Until we implement Online Enrollments in Jefferson County, Health forms are required each year for every member. Also do not forget your 4-H standards of conduct and code of conduct for the fairboard!

CAMP PIEDMONT POOL FUND

Camp Piedmont is accepting donations to upgrade the beloved 4-H Camp Swimming Pool. As you all know, the pool was in disrepair last year, and we are working hard to try and make sure it is in working order this year. The board is awaiting the finalization of estimates in the hope of producing an operational facility, but it doesn't hurt to get the campaign fund rolling. Every little bit helps.

Please make donations payable to the Camp Piedmont Pool Fund, and send your check to Jefferson OSUE 500 Market Street, Suite 512, Steubenville, OH 43952. More information will follow as it becomes available!

Jefferson County Extension



2020 JEFFERSON COUNTY 4-H COMMITTEE MEMBERS

Jamie Wiley
Doug Meadows
Joyce Wetherell
Cindy Stingle
Clint Finney
Erin Ogden

Julie Boring
Suzanne McConnell
Amanda Wood
Anna Ault
Gretchen Bonecutter
Lori Vinci

Steve Griffith
Heather Merkel
Brandon Pendleton
Karen Hill
Heather Parker

2020 Subcommittee Meetings

Location — Jefferson JVS

Still Project/Small Animal Committee
Combined — 5:30PM
Horse Committee — 6:15PM
Livestock Committee — 7PM

March 31 All subcommittees
April 28—All subcommittees
May 26—All subcommittees
June/July/Aug/Sept. —No meetings
October 27— All subcommittees
November 17—Still Project/Small Animal only
December—No meetings

Who Can I Call With Questions About My ...

Swine/Milk Goats — Clint Finney — 740-359-3737

Rabbits — Tammy Mazzaferro — 740-346-6306

Poultry — Erin Best — 740-359-1218

Dogs — To Be Determined

Market Goats — Kelly Valuska — 740-632-7135

Companion Goats — Katie Moore — 740-424-7267

Sheep — Amie Cline — 740-632-7665

Beef — Bonnie Randolph — 740-275-6728

Small Animals — To Be Determined

Horses — Debbie Grimes (Local) 740-424-4996/Robin
Wedlake (State) — 740-424-7606 or Carl Glenn — 740-
543-3136

Dairy — Joyce Wetherell — 740-598-3567



Remaining face-to-face Youth Livestock Quality Assurance dates at Jefferson JVS are as follows:

4/7: 6 PM & 7PM

4/21: 6 PM, \$25 FEE

PRE-REGISTRATION IS REQUIRED BY CALLING 740-264-2212.

Also, an online version is now available for \$13. This version includes a test at the end that must be passed to earn credit. Please read and follow the instructions carefully.

To access the site and learn more, visit: <http://yqca.org>

Youth For The Quality Care Of Animals is now being accepted for all national shows.

HORSE QUALITY ASSURANCE WILL BE AVAILABLE ON THESE DATES ALSO AT NO CHARGE.



JEFFERSON COUNTY FAIR

POSSESSION RULE

Animals must be stalled at the exhibitor's residence (as defined by school registration or drivers license.) Any other location must be submitted in writing to the Jefferson County Jr. Fair Committee prior to the start of the project and must be approved by the committee. During the project year, if circumstances require a change in location/possession, the same written permission must be submitted and approved. The stalling location must be within a 30 mile-radius of the exhibitor's residence for consideration. Failure to comply with the possession rule will result in the exhibitor being suspended from participating on any level in the Jefferson County Fair for a one year. This rule is found on page A88 in the 2019 Jefferson County Fair Book. Please see the 2020 book for any changes.

2020 Poultry Hatch Dates

Birds CAN NOT BE HATCHED BEFORE these dates!

Turkey - March 30 - 20 weeks

Goose - May 25 - 12 weeks

Duck - June 22 - 8 weeks

Chicken - June 29 - 7 weeks

In addition, there is no antigen for 2020



2020 Animal Possession Dates

Dogs/Horses/Rabbits - June 1

Market Hogs, Goats, Lambs, Feeder Calves, Dairy Beef Feeders - May 2



Tag-In Dates are listed on the calendar – ALL rabbits are required to go to Tag-In for 2020, EVEN PET RABBITS. This is to verify sex and breed for proper class placings.

Swine Exhibitors!!!

The Jefferson County Fairboard has agreed at this point in time to NOT add any new rules or regulations as it pertains to swine for the 2020 Jefferson County Fair Exhibition. Everything will remain the same.

However, The Ohio State Fair is ractopamine free.

So, this means you must keep your animals, tack, feed, etc. separate in your barn if you are showing at both venues.

Questions about the county exhibition - call Bob Bailey at 740-424-3663.



CAMP COUNSELOR TRAININGS UNDERWAY

These camp counselors are putting in the hours to prepare for assisting with cloverbud programs, leading county-wide 4-H events, and of course developing all things Camp Piedmont! Members have developed camp-theme ideas and voted "The Piedmont County Fair," as this year's camp theme. Youth members prepared the schedule, completed child-abuse reporter training, developed a camp songs list, reviewed the new state camp counselor handbook, and learned about what it takes to be a role model and camp counselor. Members' next two trainings will revolve around mental health and emotional intelligence. We are so excited to incorporate these leaders into all of our programming in various ways.

CAMP SCHOLARSHIP WINNERS CHOSEN

Congratulations to the following County Chosen Camp Scholarship Winners! Scholarships are provided by the 4-H Committee and its partners, including Commissioner Tom Gentile and the Jefferson Soil and Water Conservation District:

Leadership Washington Focus: Kristopher McVicker/Carly Long

Citizenship Washington Focus: Hannah Randolph/Kaydence Kinyo

Carving New Ideas Camp: Alyssa Slie

Shooting Sports Camp: Tucker McVicker

Sea Camp: Andrew Wetherell/Raleigh Doyle

State Leadership Camp: Hailey Parker/Frank Mazzaferro

Camp Canopy Forestry Camp: Emma Morrison, Corissa Griffith, Drew Saiter

Most Outstanding Exhibitor (MOE) / Most Outstanding 4-H'er (MO4-H'er) 2020

Here are the steps to become either MOE or MO4-H'er in 2020

1. ALL APPLICANTS MUST FIRST TURN IN TO THE JEFFERSON COUNTY EXTENSION OFFICE A COMPLETED OHIO ACHIEVEMENT FORM BY 4:30PM MAY 29th.

Then follow these steps:

MOE APPLICANTS –

2. Complete an interview at Contest Day for each species category for which you are competing.
3. Complete live skillathon at Contest Day or Project Judging Day. You must receive a 95 on live skillathon to qualify for an award.
4. Attend a pertinent animal clinic - local if available or out-of-county if not.
5. Participate in the Jr. Fair Show Competition for your animal.
6. Participate in your showmanship class for your animal.
7. Submit signed, completed project books related to the MOE application to Angie Allison or Leslie Aftanas at the 4-H Awards ceremony at the beginning of the Jefferson County Fair.

A GROUP OF 4-H COMMITTEE MEMBERS AND FAIRBOARD MEMBERS WILL BE INVITED TO REVIEW ALL SCORES AND PROJECT BOOKS. THE MOE SELECTION WILL BE BASED ON CONTEST DAY SCORE, SKILLATHON SCORE, LOCAL CLINIC ATTENDANCE IF ONE IS AVAILABLE (OUT-OF-COUNTY ATTENDANCE IF NOT AVAILABLE), TOP CLASS PLACING FOR THE ANIMAL CATEGORY IN WHICH YOU ARE COMPETING, AND SHOWMANSHIP PLACING. IN ADDITION, A COMPLETED OHIO ACHIEVEMENT FORM AND COMPLETED PROJECT BOOK ARE REQUIRED TO QUALIFY. TIE BREAKER = SUPREME SHOWMANSHIP.

MO4-H'ER APPLICANTS –

2. Turn in a MO4-H'ER application available in the May edition of The Cooperative Connection with your Ohio Achievement Form.
3. Participate in a judged competition at Contest Day.
4. Participate in a judged competition at the Jefferson County Fair or Project Judging Day.
5. Turn in an updated Achievement Form by Sept. 1, 2020.
6. Participate in the MO4-H'ER interview process in September.
7. Winner will be announced at the 4-H Volunteer Banquet in October.

Polar Bear

paper plate craft



3rd: SEEDS UP CLOSE

SUPPLIES

- 11 lima or kidney beans
- 1 cup water
- One glass
- Pencil

DIRECTIONS

- Look at a lima or kidney bean seed. Guess what is inside the seed.
- Soak the lima beans in the water overnight (24 hours) prior to the meeting.
- Peel the outer coat from one of the seeds.
- Split the coatless seed in half with a fingernail.
- Draw what you see.

You can purchase seeds to pass out when finished so they can start their own plant/garden at home

Take a picture of your Cloverbuds with their project and email to me at aftanas.2@osu.edu. I will mail beads directly to the Club Advisor. If you have any questions, you can reach me at 740-264-2212.

Hello Cloverbud advisors & parents,

I have a few ideas you can use for the next few meetings:

1st: ICE CREAM IN A BAG

INGREDIENTS

- 1 cup half and half
- 2 tbsp granulated sugar
- 1/2 tsp pure vanilla extract
- 3 cups ice
- 1/3 cup kosher salt
- Small resealable bags and large resealable bags

**EARN A
"HAT" BEAD**

DIRECTIONS

1. In a small resealable plastic bag, combine half and half, sugar, and vanilla. Push out the excess air and seal.
2. Into a large resealable plastic bag, combine ice and salt. Place small bag inside the bigger bag and shake vigorously, 7 to 10 minutes, until ice cream has hardened.
3. Remove from bag and enjoy with your favorite ice cream topping if you like.

2nd: POLAR BEAR PAPER PLATE CRAFT MATERIALS

SUPPLIES

- Thin paper plate
- Black markers
- Black pom poms
- Wiggle eyes

**EARN AN "O"
BEAD**

See image on left for final product.

Seed coat – Protects the embryo.

Cotyledon – Seed leaf within the embryo of a seed.

Embryo – A tiny plant complete with leaf, stem, and root parts.

Germinate – To begin to grow; sprout.

Shoot – Contains the stem and leaves.

**EARN AN
"abc" BEAD**

Leslie

OSU Extension
500 Market Street, Suite 512
Steubenville, OH 43952

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