

HAVE YOU HERD?



Spring Issue for Agriculture & Natural Resources Newsletter



Kendal Bowman
Owen County Agriculture Agent

This March made five years of being the agent here in Owen County. Time has flown by!

Take note of the Ag Funding Workshop in this spring issue. At the time, I'm writing this the state hasn't released the info to begin the CAIP Cost Share applications. Fingers crossed applications will start the evening of the Ag Funding Workshop. Attendance is **HIGHLY ENCOURAGED** as there are **major changes** to the program!! As we are planning programs for the year, you will notice many will have a **RSVP** by date. Please take note of this. In an effort of being mindful of presenters time and resources some programs may be subject to cancelation if pre-registration is low.

I read an article the other day that this past winter made the 8th warmest winter on record. I couldn't believe my neighbors were already mowing their yard the other day!

Tis the season for spring fever and allergies! Be cautious of jumping the gun and planting too soon. We are not out of the woods for a heavy frost. Speaking of planting, we have a great app called "SOW". This is a must if you raise a garden.

Livestock producers, as the pastures are greening up, be aware of tetany issues. I would suggest having a magnesium supplement available. Don't forget to take a soil sample before planting!

Kendal Bowman
Agriculture & Natural Resources Agent

Ag Funding Workshop

Attendance **HIGHLY** encouraged
BIG changes to the CAIP Cost Share Program This year

Date: April 4th, 2024
Location: Owen Co. Extension Office
MUST RSVP by March 29th 502-484-5703

5:30-6:30pm Info Tables Available
6:15-6:30pm Meal
6:30pm Program Begins

Learn About:

- CAIP Cost share
- Conservation Cost Share
- USDA Funding
- KCARD
- KSU Grants
- KDA Grants

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Cooperative Extension Service

Agriculture and Natural Resources
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Disabilities accommodated with prior notification.

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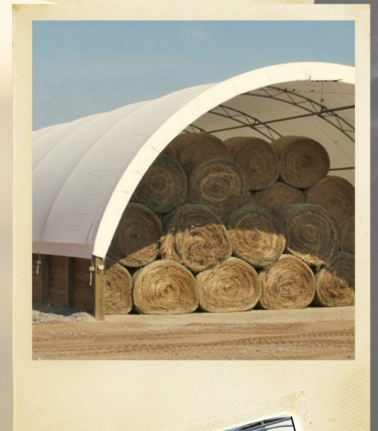
-Conservation Cost Share

-USDA Funding

-KCARD

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-KDA Grants



Proudly Sponsored by: German American Bank

PRODUCE BEST PRACTICES TRAINING

* Needed for to selling at most farmers markets*

April 26th 10am
Owen Co Extension Office

Must RSVP by April 22nd
502-484-5703



Grower-Buyer MeetUp

Are you interested in value-added products for additional farm income? Would you like to learn about working with a commercial food manufacturer? Join us for a training on resources available for Kentucky producers interested in value-added products.

Covenant Group, a local food manufacturer in Owen County, will be a featured business detailing how their operation helps producers scale their businesses and optimize operations.

APRIL 23, 2024

1 PM - 3 PM (EST)

Owen County Extension Office
265 Ellis Rd, Owenton, KY 40359

Register by phone or email:

502-484-5703

owen.ext@uky.edu



Program On Farmers Market Display & Signage



April 26th 1-3pm

Owen Co. Extension Office
265 Ellis Rd, Owenton KY 40359
Must RSVP By April 19th
502-484-5703

Private Pesticide Applicator Training



Do you purchase restricted use pesticides? If so, mark your calendar for the last training. **MUST RSVP.**
Call 502.484.5703

March 28th 6 PM



MOBILE PROCESSING UNIT TRAINING

This training is required to use the KSU Mobile Processing Unit. The MPU can be used to process chickens, rabbits, some aquaculture species and other non-amenable species.

May 17, 2024

9 a.m. - 5 p.m.
Harold R. Benson Research and Demonstration Farm
1525 Mills Lane
Frankfort, KY 40601

Cost: \$75



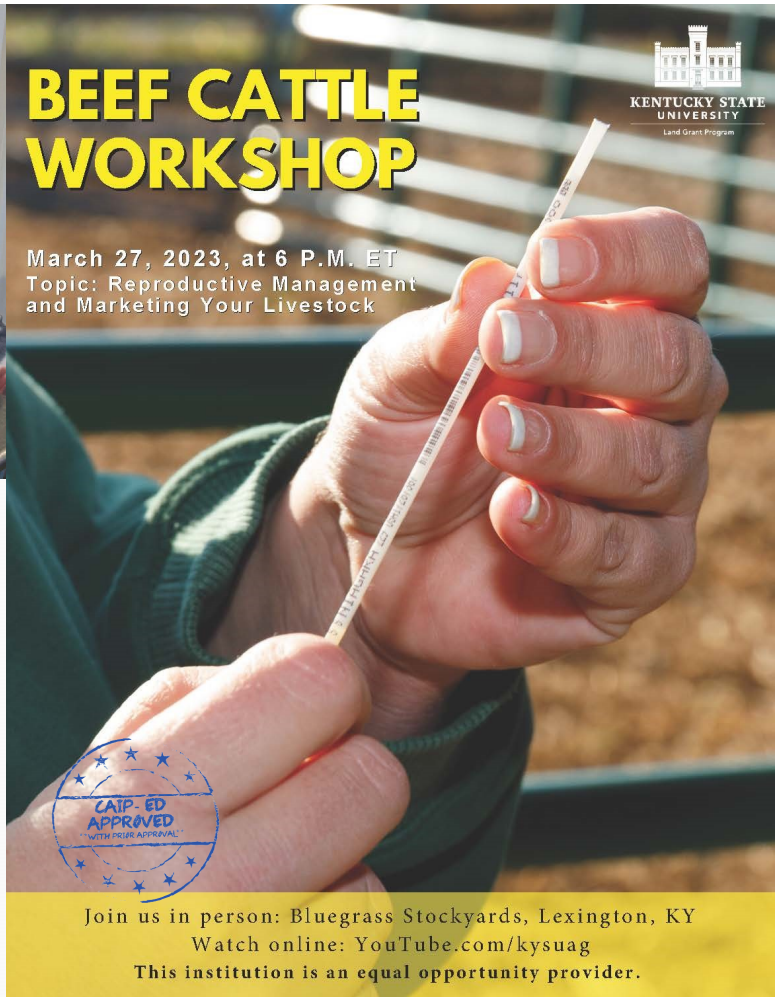
KENTUCKY STATE UNIVERSITY
Land Grant Program



BEEF CATTLE WORKSHOP



March 27, 2023, at 6 P.M. ET
Topic: Reproductive Management and Marketing Your Livestock



Join us in person: Bluegrass Stockyards, Lexington, KY
Watch online: YouTube.com/kysuag

This institution is an equal opportunity provider.

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REGISTER TO STEVE SKELTON
(STEVEN.SKELTON@KYSU.EDU, 502.597.6103) OR MEGAN GOINS
(MEGAN.GOINS@KYSU.EDU, 502-597.6528)

 Cooperative Extension Service

“Kentucky First Farm” Workshop

Tuesday, April 23, 2024

Eden Shale Farm

400 Eden Shale Rd, Owenton, KY 40359



Giving military veteran, minorities, small farm, and limited resource farmers the information and training needed to create a sustainable agricultural operation.

This program is free and open to all military veterans, active, retired or transitioning, minority and underserved populations and those with small farms that have been in operation for under 10 years. This program is sponsored by a USDA/NIFA grant with the Beginning Farmer Rancher Development Program and is under the direction of the University of Kentucky Cooperative Extension Services. Programs include Business Planning, Record Keeping, Funding Opportunities, Land Acquisition, and specific farm enterprises.

Lunch will be included.

Event Registration: <https://bfrdp.ca.uky.edu/events/bfrdp-workshop-eden-shale-farm>

Kentucky First Farm



Phone: (859) 257-1126

Email: Linda.Bokros@uky.edu

Sponsored by USDA/NIFA Award # 2021-70033-35706



Small Ruminant Boot Camp & Parasitology Clinic

Registration limited to 20 households

Price: \$35—includes 1 FAMACHA and lunch

Additional lunches- \$10 each

Register at <https://www.kysheepandgoat.org/product-page/fall-parasitology-clinic>

Registration Deadline: April 8th

Online

March 25th, April 1st, April 8th

In-person Clinic,

9:15am-4:15pm, April 13th, Bullitt County Extension Office, 384 Halls Ln, Shepherdsville, KY 40165

Hosted By:



OWEN COUNTY CATTLEMEN'S ASSOCIATION

Meeting will be Thursday, April 25th 6-30 PM at Owen Co. Extension Office



CATTLE HEALTH & VACCINES

Wednesday, April 17th 8:30 AM- 9:25 AM

An Equal Opportunity University

KENTUCKY COOPERATIVE EXTENSION

United Producers, Inc. 86 Bramblett Lane Owenton, KY 40359



KENTUCKY COOPERATIVE EXTENSION

WEATHER CHALLENGES, CHANGES, & FARMING

Tuesday, April 23rd 6:30 PM

MUST RSVP (502) 484-5703

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Don't Forget To Test Your Soil



The Owen Co. Conservation District is offering a Local Cost Share Program to any farmer who needs assistance with Pasture Liming, Livestock Watering Facilities, Heavy Use Area, or Pasture Renovation. If you are interested in applying for any of these practices you may complete an application at the District's office at 205 West Perry St, between hours of 8-4:30. Applications will be accepted through March 22nd.



April 4, 2024
8 am-2 pm



PLANTER CLINIC

Hands-on training covering basic to advanced planter function to maximize planter performance.

University of Kentucky Research and Education Center
1205 Hopkinsville St.
Princeton, KY 42445

- Identification of improper planter settings and the resulting consequences on plant performance.
- Discussion of planter components and proper maintenance.



Pre-registration is required at

<https://KATSPlanterclinic2024.eventbrite.com>

\$105

Lunch is included

Credits pending



For more information contact Lori Rogers
270-365-7541 ext 21317 lori.rogers@uky.edu



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Expungement 101 Free Clinic

Tuesday, March 26, 2024
4:30 - 8 p.m.

Cooperative Extension Building Room 238



- Attorneys will be available to assist all attendees.
- Funds are available to cover expungement fees for 2 misdemeanors or 1 felony conviction per qualified participant.
- Clinic will be capped at 100 participants.

For more information, contact:

Irma Johnson, State Specialist for Family Assets and Community Engagement | Community Resource and Development
irma.johnson@kysu.edu

Partners: Kentucky Innocence Project, Department of Public Advocacy, Kentucky Department of Corrections, the Kentucky Bar Foundation, and Apollo Law PLLC.



KENTUCKY STATE UNIVERSITY
Cooperative Extension Program

Do You Qualify to Have Your Criminal Record Expunged?

- Do you have any criminal charges pending? NO
- Has it been 5 years or more from completion of the sentence related to the charge you are seeking to expunge? YES
- Have you had any misdemeanor or felony convictions in the 5 years prior to filing a petition for expungement? NO
- Were you charged with a sex offense, or any other offense committed against a child? NO

If you can answer the above questions as shown, you may be eligible to have your misdemeanor or class D felony charges expunged.

This institution is an equal opportunity provider, employer and lender.

Reasonable accommodations for individuals with disabilities will be provided free of charge upon request. Language access services for limited English proficient individuals will be provided free of charge upon request. Please contact Irma Johnson at irma.johnson@kysu.edu.

Marketing Basics for Farmers



5:30pm, Henry & Trimble County Extension

- * **Introduction to Marketing Basics & Digital Marketing** Wednesday, March 27th
Henry County Extension Office

- * **Accepting More than Just Cash** Wednesday, April 10th
Trimble County Extension Office

- * **Photography & Social Media Tips** Wednesday, April 24th
Henry County Extension Office

- * **Customer Retention & Engagement** Tuesday, April 30th
Henry County Extension Office

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MARTIN-GATTON COLLEGE OF AGRICULTURE, FOOD AND ENVIRONMENT

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REGENERATING APPALACHIA

SUSTAINABLE AGRICULTURE AND THE CHANGING CLIMATE.



Join us at Ky State University for Regenerate Appalachia, a groundbreaking and free conference dedicated to addressing the unique needs of underserved producers in the Appalachian region as they navigate the challenges posed by a changing climate.

Location: The Harold Benson Research Farm at Ky State University in Frankfort, Kentucky.

March 22 | 8:00 am - 5:00 pm






FSMA PSA GROWER Training (In Person) - Registration for March 26, 2024, Training

Training Location: 1300 W Muhammad Ali Blvd, Suit 118, Louisville, KY

8:00 a.m. - 5 p.m.

Who Should Attend

Fruit and vegetable growers and others interested in learning about produce safety, Good Agricultural Practices (GAPs), co-management, and the FDA's Food Safety Modernization Act (FSMA) Produce Safety Rule. Any growers who would like to meet the Produce Safety Rule requirement outlined in §112.22 (c) *At least one supervisor from the farm must complete food safety training at least equivalent to the standardized curriculum recognized by the FDA.* Note: Completion of this course is a regulatory requirement for all Kentucky fruit and vegetable growers with over \$25,000 in yearly sales and those growers seeking a Qualified Exemption.

What to Expect at the PSA Grower Training Course?

The trainers will spend approximately seven hours of instruction time to cover the content contained in these seven modules:

- Introduction to Produce Safety
- Worker Health, Hygiene, and Training
- Soil Amendments
- Wildlife, Domestic Animals, and Land Use
- Agricultural Water
- Postharvest Handling and Sanitation
- How to Develop a Farm Food Safety Plan.

Parts of the FSMA Produce Safety Rule requirements are outlined within the modules. There will be time for questions and discussion, so participants should come prepared to share their experiences and produce safety questions they have.

Benefits of Attending the Course

The course will provide a foundation of Good Agricultural Practices (GAPs) and co-management information, FSMA Produce Safety Rule standards, and details on how to develop a farm food safety plan. Individuals who participate in this course are expected to gain a basic understanding of:

- Microorganisms relevant to produce safety and where they may be found on the farm
- How to identify microbial risks, practices that reduce risks, and how to begin implementing produce safety practices on the farm
- Parts of a farm food safety plan and how to begin writing one
- Expectations in the FSMA Produce Safety Rule and how to meet them.

After attending the entire course, you will be eligible to receive a certificate from the Association of Food and Drug Officials (AFDO) that verifies you have met the requirement of section §112.22(c) (detailed above). To receive an AFDO certificate, you must submit the appropriate paperwork to your trainer at the end of the course.

REGISTRATION FOR THE TRAINING:

- Please click on the Qualtrics link, provided below, and fill in the required information to successfully register. Partial completion of the registration will end up in automatic removal of the participant from the training.

HYPERLINK https://uky.az1.qualtrics.com/jfe/form/SV_06grpWqw2E6UUT4

Last Day to Register for the Training March 15

Costs: \$ 100 per person (Kentucky Residents), \$120 (Out-of-State)
Cost covers Training Manual, Certificate, and Shipping

PAY ONLINE using the link below.

<https://trans.worldpay.us/cgi-bin/WebPAY.cgi?formid=BB250F6BC14110CE87E5FDD8014750039E8419F1AA4E07E2B4745131920DB8B5E&sessionid=AE46DACB8992AE4C>

In the Invoice Number field enter: "PSA Grower Training March 26"

PAY BY CHECK.

Checks should be written to "**University of Kentucky.**"

MAIL Checks to:
ATTN: Paul Priyesh
213 WP Garrigus Building
Animal and Food Sciences
University of Kentucky
Lexington, Kentucky 40546

Additional Information

Paul Priyesh
Produce Safety Program, Animal and Food Sciences
University of Kentucky
213 W. P. Garrigus Building
325 Cooper Drive Lexington, KY 40546-0215
Email: paul.v@uky.edu
Phone: 859-257-1546

Ligija Silkovska
Extension Staff Assistant
Produce Safety Program, Animal and Food Sciences
University of Kentucky
210 W.P. Garrigus Building
325 Cooper Drive
Lexington, KY 40546-0215
Email: ligija.silkovska@uky.edu
Phone: 859-562-2655

WHEN TO ASSIST WITH CALVING

There are three stages of bovine parturition.


- Stage 1, dilation of the cervix is variable in length and can occur over hours or days. During Stage 1, you may or may not notice a mucus string hanging from the vulva, cows with less appetite or cows separating themselves from herd mates.
- Stage 2 is the delivery of the calf. Stage 2 officially begins with the appearance of the placenta (water bag) at the vulva. Deciding when/if to provide assistance to a female is based on what you observe at the onset and during Stage 2 of the birth process.
- Stage 3 is the delivery of the placenta or afterbirth, typically happening within a few hours after delivery of the calf. Understanding the birth process, the normal timelines associated with Stage 2 and what a normal presentation of the calf fetus looks like are all critical in making the judgement call of when to offer assistance during calving.

Intervening in the calving process too soon or too late can lead to a bad outcome. Unusual disturbance or stress too early in the process can slow down contractions and delay calving. Don't jump the gun! Give the natural birth process time to run its course before intervening. By that same token, waiting too long to assist can lead to weakened or dead calves.

When to assist?

“Start your clock” at the appearance of the water bag at the beginning of Stage 2. Normally, at this point, the fetus has entered the birth canal, a portion of the water bag can be observed and the heifer/cow is usually lying down. Uterine contractions occur every couple of minutes and are accompanied by contractions of the diaphragm and abdominal muscles. Surrounded by the water bag, the calf's front feet and possibly nose are beginning to protrude from the vulva. After the nose is exposed, the dam exerts maximum straining to push the shoulders and chest through the pelvic girdle.

Continued ----->



Once the shoulders have passed, the abdominal muscles of the calf relax and its hips and legs extend back to permit easier passage of the hip region. At this point, the water bag has ruptured and the calf is normally free of fetal membranes, because they remain attached to the cotyledons of the uterus. This ensures an oxygen supply for the calf during birth. Upon passing through the vulva, the umbilical cord breaks, respiration begins, filling the lungs with air and the lungs become functional.

Although the time intervals presented here may vary among types and breeds of cattle, and among individuals of the same breed, most recent research indicates healthy heifers, calving for the first time and with a normal presentation of the calf should calve unassisted within 60 minutes of the appearance of the water bag. Healthy cows with normal calf presentation typically calve in less than 30 minutes after the onset of Stage 2.

Deciding when to offer assistance is a judgment call and good judgement is the result of experience. Obviously when we come upon a heifer or cow with the front feet and nose of the calf showing, and water bag ruptured but don't know how long they have been trying, it can lead to anxious moments.

When cows are lying down and having contractions and no water bag or calves feet can be seen, it can be a sign of an abnormal presentation or a very large calf. When you don't know when Stage 2 started, or it is apparent no progress is being made, or all signs are normal but the timelines mentioned are expiring, you will need to conduct a vaginal exam to determine what is going on and if help is needed.

— Mark Z. Johnson, Oklahoma State University Extension beef cattle breeding specialist

March 2024

Purchase animals: 17-19
 Breed animals: 1, 27-29
 Wean animals: 6, 29
 Castrate animals: 7, 8

Slaughter livestock: 1, 27-28
 Mow to promote growth: 17-19

These dates are dates off the almanac --not Extension research

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
10 feet	11 head	12 head	13 neck	14 neck	15 arms	16 arms
17	18	19 Owen County District Board Extension Office Conference Room 5 PM	20	21	22 OC Soil Conservation Local Cost Share Applications due by 4:30 PM 502.484.3979 Ext. 4012 Sustainable Agriculture & The Changing Climate KSU The Harold Benson Research Farm 8 AM - 5 PM	23
24 breast	25 breast	26 breast FSMA PSA GROWER Training 1300 W Muhammad Ali Blvd., Suite 118 8 AM -5 PM Expungement 101 Free Clinic KSU Extension Bldg. Room 238 4:30 - 8 PM	27 heart Introduction to Marketing Basics & Digital Marketing Henry County Extension Office 5: 30 PM Beef Cattle Workshop Bluegrass Stockyards Lexington, KY 6 PM	28 heart KSU Third Thursday KSU Farm	29 belly Private Pesticide Applicator Training Extension Office 6 PM Ag Funding Workshop Deadline to RSVP Owen County Extension Office	30 belly
belly	reins	reins	secrets	secrets	secrets	thighs
31 thighs				<p>Cooperative Extension Service Agriculture and Natural Resources Health and Consumer Sciences 4-H Youth Development Community and Economic Development Lansing, KY 40005</p> <p>MARTIN-GATTON COLLEGE OF AGRICULTURE, FOOD AND ENVIRONMENT and will not discriminate on the basis of race, color, ethnic origin, national ancestry, sex, marital status, pregnancy, genetic testing, sexual orientation, gender identity, gender expression, gender identity, gender expression, age, veteran status, disability, or any other characteristic protected by applicable law. If you are unable to access this information, please contact the University of Kentucky, Kentucky State University, U.S. Department of Agriculture, and Kentucky Cooperative Extension System for assistance. For more information, please contact the University of Kentucky, Kentucky State University, U.S. Department of Agriculture, and Kentucky Cooperative Extension System for assistance.</p>		





Martin-Gatton

College of Agriculture,
Food and Environment

University of Kentucky

Owen County Cooperative Extension Service

Owen County
265 Ellis Hwy
Owenton, KY 40359

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Kendal Bowman

County Agent for Agriculture & Natural Resources

Broccoli Cheddar Biscuits



130 calories; 8g total fat; 2g saturated fat; 0g trans fat; 5mg cholesterol; 240mg sodium; 12g carbohydrate; 1g fiber; 1g sugar; 0g added sugar; 3g protein; 0% Daily Value of vitamin D; 6% Daily Value of calcium; 6% Daily Value of iron; 2% Daily Value of potassium.

Servings: 20 biscuits
Serving Size: 1 biscuit
Recipe Cost: \$5.43
Cost per serving: \$0.27

Ingredients:

- 1 cup broccoli florets, chopped
- 1 carrot, grated
- 2 cups all-purpose flour, divided
- 2 teaspoons baking powder
- 1 teaspoon salt
- 1 cup buttermilk
- 1/2 cup vegetable oil
- 2/3 cup shredded cheddar cheese

Directions:

1. Preheat oven to 400 degrees F.
2. Place chopped broccoli and grated carrot in medium bowl. Toss with 1/4 cup of flour and set aside.
3. In a large bowl, stir together remaining 1 3/4 cups flour, baking powder and salt.
4. Add buttermilk and vegetable oil into flour mixture and stir until just combined, being careful not to overmix.
5. Fold in vegetable mixture and cheese into flour mixture. In the bowl, knead two or three times until a dough ball is formed.
6. Transfer dough to a lightly floured surface. Pat the dough into an inch thickness. Using a cookie cutter or glass (2 inches in diameter), cut dough into rounds.
7. Arrange biscuits on a baking sheet. Bake 12 minutes or until golden.