

## CRITTENDEN COUNTY AG NEWS

Crittenden County  
1534 US Hwy 60 E  
Marion, KY 42064  
270-965-5236  
Fax: 270-965-5237

*Dee Heimgartner*



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- Grazing School
- Upcoming Classes
- Missouri Botanical Garden Trip
- Forage Tips
- Antibiotic Stewardship
- Pest Management Survey

## CALENDAR OF EVENTS

### April

- 11- Fencing School- Scottsville, KY
- 11- Household Budgets & Money Habits; Annex, 5:30 PM
- 13- Produce Best Practices Training; Annex, 2 PM
- 18- N? P? K? What Does It Mean?; Annex, 5:30 PM
- 20- County Extension Council; Fairgrounds, 6 PM
- 25-26- Grazing School; Princeton
- 25- Wooden Plant Hanger; Annex, 5:30 PM

### May

- 9- Wheat Field Day; Princeton
- 11- Gardening w/ Limited Mobility; Annex, 5:30 PM



We are updating our newsletter list. Please send us any changes to address or if you wish to stop receiving the newsletter just let us know.

We will be starting a new monthly email update so please send an email to Dee to join at [deanna.brasher@uky.edu](mailto:deanna.brasher@uky.edu)

# ANTIBIOTIC STEWARDSHIP- WHAT TO DO NOW TO PREPARE FOR CHANGES AHEAD

## BY DR. MICHELLE ARNOLD, UKY VETERINARY DIAGNOSTIC LAB

On June 11th, 2021, The Food and Drug Administration (FDA) finalized a Guidance for Industry (GFI) #263, which outlines the process for animal drug manufacturers to change all remaining antibiotic formulations used in animal health care from over-the-counter (OTC) to prescription status. Products commonly used by beef producers such as injectable penicillin and oxytetracycline (for example, LA-300) will no longer be available without a prescription from a veterinarian as of June 2023. Specifically, all dosage forms of medically important antimicrobials approved for use in animals will only be available from, or under the supervision of, a licensed veterinarian, and only when necessary for the treatment, control, or prevention of specific diseases. Producers will need to consult a veterinarian to obtain all antibiotics in any form (injectable, bolus, topical, intramammary) or to request a prescription to purchase them from a distributor.

FDA's goal through GFI #263 is to curb the development of antibiotic-resistant bacteria and, in turn, reduce the risk of human infections that are difficult to treat due to ineffective antibiotics. To accomplish the goal, FDA is promoting the implementation of "responsible antibiotic stewardship practices in veterinary medicine" which are defined as "actions that preserve the effectiveness of antibiotics while maintaining animal health". Examples of responsible practices include 1) only using antibiotics when necessary to treat a sick animal; 2) establishing vaccination protocols and other disease prevention plans to reduce the need for antibiotics; and 3) livestock owners and veterinarians working together to make decisions to improve the overall animal health and welfare of the herd over the long term.



Given that this change is less than 6 months away, what can a livestock producer do now to prepare for it? For a veterinarian to legally sell or prescribe prescription products, FDA states, "A licensed veterinarian may legally use or dispense a prescription animal drug only within the course of her/his professional practice where a valid veterinarian-client-patient relationship exists. Veterinarians employed by drug manufacturers or distributors may not legally dispense prescription drugs to laypersons unless they meet the above criteria. Similarly, practicing veterinarians or their employees may not legally sell prescription animal drugs to walk-in customers unless the same criteria are met." Therefore, the first step to do now is establish a valid veterinarian-client-patient relationship (VCPR). Kentucky has its own definition of a VCPR (see Box 1). Although the rules are straightforward, how to build a VCPR first requires communication with a veterinarian and asking the question "What do I need to do to establish and maintain a VCPR with you?" The law requires the veterinarian to be familiar with the client, the livestock, and the management of the animals on the farm through "medically appropriate and timely visits" to the place the animals are kept. Scheduling routine veterinary visits to the farm at intervals established by the veterinarian is a perfect way to meet this requirement. At a minimum, the veterinarian needs to know the livestock business you are in (commercial cow/calf; stocker/backgrounder; seedstock operation), what vaccines are routinely given and when, what diseases are recurring problems at the farm and how you typically treat them (for example, pinkeye, foot rot, bronchopneumonia, calf scours, etc.) and any health concerns that may be on the horizon. Some veterinarians will execute a written VCPR agreement although it is not required.

Once the VCPR is established and recognized by both the client and the veterinarian, then the discussions can begin regarding how to obtain prescription antibiotics after June 2023. Working with the veterinarian to establish when antibiotics are necessary before illness occurs is crucial to having the drugs on hand when needed. Setting up treatment protocols in advance with the veterinarian for common problems on your farm, including a written plan of when to treat an animal (also known as a "case definition"), what drug to use (dose, route of administration, how often to give it), what treatment records should be kept, and how withdrawal times will be recorded and observed will reduce the need for emergency veterinary visits and expedite treatment. An important piece of the protocol is to establish when an antibiotic treatment should be considered a failure and what the next step should be when failure is recognized. The treatment protocol needs to be discussed with every person on the farm who may be involved in identifying, pulling and treating an animal in the herd.

Although producers express frustration if a veterinarian does not honor a request for a prescription medication or veterinary feed directive (VFD), it is important to understand that any violative antibiotic residue detected at slaughter will result in an investigation of the veterinarian who prescribed the drug, even if the drug was administered improperly by the producer and/or instructions were not followed. In addition, if a drug is used in any manner differently from what is written on the label (known as Extra label drug use or ELDU), the meat withdrawal time usually must be extended. For example, if a higher than label dose is used, it changes when the residue concentrations will fall below the drug testing tolerance. Bear in mind that any drug delivered with a dart is considered extra label use and may require an extended withdrawal period, even when all other label directions are met. The only way a drug can legally be used extra label is when it is prescribed by a veterinarian, who must also issue an extended withdrawal interval. Veterinarians can contact the Food Animal Residue Avoidance Databank (FARAD) for guidance in establishing the required withdrawal time.

Bottom Line: Talk to your veterinarian, sooner rather than later!

# FORAGE TIMELY TIPS

- Make sure hay equipment is ready for high quality May harvests.
- Graze cover crops using temporary fencing.
- As pasture growth begins, rotate through pastures quickly to keep up with the fast growth of spring.
- Creep-graze calves and lambs, allowing them access to highest-quality pasture.
- Finish re-seeding winter feeding sites where soil disturbance and sod damage occurred.
- As pasture growth exceeds the needs of the livestock, remove some fields from the rotation and allow growth to accumulate for hay or haylage.
- Determine need for supplemental warm season forages such as pearl millet or sudangrass.
- Flash graze pastures newly seeded with clovers to manage competition.



## MISSOURI BOTANICAL GARDEN TRIP



Field Trip To:

### Missouri Botanical Garden

Join Crittenden County Extension as we take a trip to St. Louis to visit the Chihuly in the Garden exhibit. While there we will also visit the Sachs Butterfly House, Soulard Farmer's Market and take a riverboat cruise. Registration fee will cover the cost of admissions but food and hotel will be on your own. A detailed itinerary with hotel information is attached.

**June 8- 9, 2023**

Registration: \$52

Must RSVP by May 12

Call Crittenden County Extension

270-965-5236

Hotel Information:

Drury Inn & Suites- St. Louis Forest Park

2111 Sulphur Avenue, St. Louis

314-646-0770

Rate is not guaranteed but should be around

\$219.00/ night

#### June 8

8:30 AM- Leave Crittenden Co. Extension Office

11:30- Dinner- Restaurant chosen that day

1 PM- Sachs Butterfly House\*

4 PM- Leave Butterfly House for Hotel

5:30 PM- Leave Hotel

6:00 PM- Chihuly in the Garden At Night\*-

Supper on your own at Botanical Garden

9:00 PM- Leave for Hotel

#### June 9

Breakfast & Hotel Check Out

8:00 AM Leave Hotel

8:30 AM- Soulard Farmer's Market\*

10 AM- Leave For Arch

10:30- Explore St Louis Arch on your own

12:00 Riverboat Cruise\*

1:15 PM Leave for Dinner

1:30 Dinner at St. Louis Union Station Soda Fountain

All items with a star (\*) are covered by registration fee

Registration fee is nonrefundable because tickets are non refundable

*Call today to  
sign up!!*

# UPCOMING FORAGE MEETINGS

## 2023 Kentucky Beginning Grazing School

Helping livestock producers improve profitability with classroom and hands-on learning

**When:** April 25-26, 2023

**Where:** Kentucky Soybean Board Office

1000 Highway 62 West, Princeton, KY 42445

**Cost:** \$60/Participant – includes all materials, grazing manual, grazing stick, fencing kit, morning refreshments, morning refreshment, and lunch both days

**Program Registration:** DEADLINE is April 10, 2023

**Online Registration with CREDIT CARD AT:**

[https://2023\\_Spring\\_KY\\_Grazing\\_School.eventbrite.com](https://2023_Spring_KY_Grazing_School.eventbrite.com)

**Registration by U.S. Mail with CHECK:**

Christi Forsythe  
UK Research and Education Center  
P.O. Box 469, Princeton, KY 42445

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

Street: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Cell Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Number of participants \_\_\_\_\_ x \$60 per participant = \_\_\_\_\_ Total Amount



Recently the 4-H Cloverbuds celebrated National Ag Day. The group learned about agriculture and played farm themed games during the meeting. They also colored farm themed items and placed on a banner as a Thank You to farmers that you can see pictured below.

## 2023 Kentucky Beginning Grazing School

Helping livestock producers improve profitability with classroom and hands-on learning

*Emphasis on ruminants - beef, dairy, sheep, & goats*

**Tuesday, April 25, 2023**

**Wednesday, April 26, 2023**

**\*\*\*MEET AT KENTUCKY SOYBEAN BOARD OFFICE EACH MORNING\*\*\***

- 7:30 Registration and refreshments
- 8:00 Introduction of staff and participants
- 8:15 Benefits of rotational grazing - Dr. Ray Smith, UK
- 8:35 Introduction to soils - Dr. John Grove, UK
- 9:05 Grazing math concepts/introduce field exercise - Dr. Jeff Lehmkuhler, UK
- 9:45 Break & travel to field demonstration area
- 10:00 Hands on soil sampling – Edwin Ritchey
- 10:20 Portable/seasonal water systems – Kevin Laurent, UK
- 10:40 Methods to assess pasture production and determine stocking rate - Dr. Ray Smith, UK
- 11:00 Hands-on: setting up small paddocks for grazing demonstrations - All Instructors
- 12:15 Lunch at farm (hamburgers and hotdogs)
- 1:00 Tour UKREC: bale grazing demo, overseeding demo, fencing, grazing system design
- 2:00 Travel to farm tour
- 2:15 Farm tour at Kate and Justin Adams
- 3:15 Travel to teaching facility
- 3:30 Using electric fencing to control grazing - Jeremy McGill, Gallagher
- 4:15 Forage species for a comprehensive grazing system - Dr. Chris Teutsch, UK
- 5:00 Discussion and adjourn

- 7:30 Refreshments
- 8:00 Forage plant growth and grazing management - Dr. Ray Smith, UK
- 8:45 Meeting the nutritional needs of grazing livestock - Dr. Jeff Lehmkuhler, UK
- 9:30 Financial assistance for improved grazing infrastructure - Adam Jones, NRCS
- 10:00 Break
- 10:30 Fencing types and costs - Dr. Morgan Hayes, UK
- 11:00 Fundamentals of laying out a grazing system - Dr. Jeff Lehmkuhler, UK
- 11:30 Small group project: grazing system design - Chris Teutsch, UK and Adam Jones, NRCS
- 12:15 Lunch (ribeye sandwich)
- 1:00 Small group project presentations
- 1:30 How I made grazing work on the farm - Matt Chadwick, Chadwick Sheep Company
- 2:00 Rejuvenating run-down pastures - Dr. Chris Teutsch and Edwin Ritchey, UK
- 2:30 Complete grazing school evaluation
- 2:45 Travel to UKREC
- 3:00 Field exercise: observe grazed paddocks and hear reports from each group
- 4:00 GPS for grazing operations demo and grain drill calibration and setup
- 5:00 Final comments, diplomas, and adjourn



# UPCOMING GARDEN CLASSES

Please join us for some fun

## Garden Classes

Call today to sign up:  
Crittenden County Extension  
270-965-5236

**April 18- N? P? K? What Does It Mean; 5:30 PM, Annex**  
This class will talk about the basics of fertilizer and how to accurately apply it to your yard and garden.

**April 25- Wooden Plant Hanger 5:30 PM- Annex**  
Learn about using water to propagate plants and make a boho hanger to start your own houseplants.

**May 11- Gardening with Limited Mobility; 5:30 PM - Annex**  
Is your limited mobility interfering with your gardening pastime? We will discuss some ideas and different options to continue gardening with mobility issues.

**June 6- Succulent Gnomes 5:30 PM, Annex**  
Learn how to care for succulents while making a potted gnome friend. Succulents will be used for the gnome's hair.

**June 8-9-Missouri Botanical Garden Trip**  
Information is available at the office.

**June 14- Murray State Arboretum Trip**  
Information is available at the office.

**July 18- Hypertufa Planters 5:30 PM, Ext. Park**  
Participants will learn the basics of using cement to make their own lightweight planter.

COOPERATIVE EXTENSION

## PRODUCE BEST PRACTICES TRAINING

APRIL 13, 2023 @ 2 PM  
CRITTENDEN COUNTY EXTENSION ANNEX

Previously known as Good Agriculture Practices, this updated training is required for a sampling certificate through KY Dept. of Agriculture. Some markets surrounding Crittenden County require producers be PBPT certified to sell at that market.

Contact Dee Heimgartner to reserve your spot!  
270-965-5236

Join us on a trip to the Arboretum led by former Crittenden Countian Dava Hayden



COOPERATIVE EXTENSION

## Murray State Arboretum Trip

June 14

Leave Crittenden County Extension Office at 8:00 AM

Gardeners are encouraged to join us as we travel to Murray State to visit the Arboretum. We will tour the gardens, stop to eat and then travel to Hazel, KY to stroll through the shops downtown. All it will cost you is lunch money! Please register by June 2 by calling the office at 270-965-5236.

# ARTIFICIAL INSEMINATION AND PREGNANCY DIAGNOSIS SCHOOL APRIL 25-26; WOODFORD COUNTY RESEARCH FARM

Dr. Les Anderson and partners from Select Sires Midamerica will be leading instruction on proper AI procedure as well as pregnancy diagnosis. Class will begin at 9 am each day and end at 4 pm. Lunch will be provided.

Those who are interested can register and pay online at <https://www.eventbrite.com/e/605029729207> . If attendees would like to pay with check, they can contact Tyler Purvis at [Tapu228@uky.edu](mailto:Tapu228@uky.edu) or (859) 257-7512 to register, then pay on site. The cost will be \$400.



## WOODEN PLANT HANGER

We will be making a BoHo limb plant propagation hanger like the one pictured below. The class will be April 25; 5:30 PM at the Annex. Call 270-965-5236 to sign up!



## PEST MANAGEMENT SURVEY



What bugs you about using certain pest management methods?

What are the barriers?  
We need to know!



Scan QR Code above or visit  
<https://tinyurl.com/4pfpcxsd>