

# The Old Farmhand: Part Two

March 2023



University of Kentucky  
College of Agriculture,  
Food and Environment  
Cooperative Extension  
Service

Harrison County Office  
668 New Lair Road  
Cynthiana, KY 41031  
P: 859-234-5510  
harrison.ca.uky.edu



*Jessica Barnes*  
Jessica Barnes,  
County Extension Agent For Ag.  
& Natural Resources Education

## A Note from Jessica

I hope this newsletter finds you doing well and gearing up for the start of the 2023 season! If you are anything like me, the warm weather we have been experiencing has me looking forward to Spring even more! The warm weather has geared up our equipment rentals here at the extension office. Several producers have been utilizing our no-till seed drills to renovate their pastures and hay fields. The lime spreader and chain drags are staying busy as well. Look for all the equipment rental options that the Harrison County Beef Cattle Association has available to the producers of Harrison County later in this newsletter. This equipment is a great resource for our county and provides producers with equipment that they otherwise may not have access too. Please help us to take care of all of the equipment so that the Harrison County Beef Cattle Association can continue to offer these services.

We have a lot going on at the Harrison County Extension Office so pay close attention to everything included in this edition so you don't miss out!

## Help us update our system!

We appreciate everyone that receives the Old Farm Hand: Part II but we also realize that circumstances come up or change and you may not be as interested as you once were in this newsletter. If you no longer want to receive this newsletter, please send me an email at [jessica.barnes2@uky.edu](mailto:jessica.barnes2@uky.edu) or call 859-234-5510 with the name and address that appears on your envelope when you receive the letter.

If you would rather receive an email copy of the newsletter instead of paper copy, please let us know that too by utilizing the above avenues. Thank you all for your support and please help us to update our system as we begin a new year!



## Annual Tobacco GAP Training

The Annual Regional Tobacco GAP Training will take place in person at the Harrison County Extension Office on **February 28 from 6:00 to 8:00 pm**. If you will be marketing tobacco for the 2023 season, then you will need to attend an annual training in order to update your GAP card. If the training here in Harrison County does not fit your schedule, you can find other opportunities at [gapconnections.com](http://gapconnections.com) under the "What We Do" tab and "Annual Grower Training".

Remember to **bring your GAP card with you** the night of the training so that your card can be scanned and your training recorded. If you are a new grower, we will need to know your basic information in order to have a card issued to you.

**Please RSVP at 859-234-5510** if you plan to attend the meeting so we have an accurate count for the meal that will be provided. If you have any questions please feel free to reach out to me.



## Preventing Grass Tetany in Cattle

As spring approaches and grass begins to grow, grazing livestock may experience a forage-related problem known as grass tetany, grass staggers, lactation tetany, or hypomagnesemia. Grass tetany is a metabolic disorder caused by reduced magnesium (Mg) levels in the animal's blood. In cattle, it generally affects older, lactating cows but can also be seen in dry cows, young cows, and in rare cases, growing calves. Symptoms often observed include nervousness, lack of coordination, muscular spasms, staggering, convulsions, coma, milk yield decrease, and death. If you suspect cattle are stricken with grass tetany, a veterinarian should be contacted immediately as early treatment can save animals.

Young cool-season grasses and small grains are commonly associated with this disorder. Grass tetany occurs most frequently in the spring, but may occur in the fall and winter when these forages start growing rapidly again or when cereal grain forages are grazed. High levels of nitrogen (N) and potassium (K) in the soil can increase the risk of grass tetany because they reduce the availability of magnesium to the animal. Farmers should refrain from placing cattle in a field that has been recently fertilized or has resulted in the disease before. Pastures where a significant amount of manure has been applied often have excessive potassium fertility increasing the risk to grass tetany. A farmer can also increase the legume content in his/her pastures with clover or alfalfa since they have higher magnesium levels to compensate for the lack of it in the new lush grass.

Feeding high magnesium or high "mag" mineral supplements is the preferred method to reduce the occurrence of grass tetany. High "mag" mineral mixes are available at most feed stores and contain higher inclusions of magnesium oxide than other complete mineral mixes. Cattle should begin consuming this high "mag" mineral during the late winter months and into early spring when new plant growth is starting. In late spring once temperatures are consistently above 60°F, a producer can quit feeding the high "mag" mixtures. High mag mineral does not need to be fed year round, but is not problematic if it is. Free-choice high mag mineral should contain 12 to 15% magnesium from magnesium oxide. Cattle need to consume four ounces of the mineral supplement daily. Magnesium oxide is unpalatable, which can result in low mineral intake. Co-product feedstuffs such as dried distillers grains, molasses or a flavoring agent is added to the mineral mix to increase palatability.

If free-choice mineral is not a viable option, producers can also mix their own supplement by adding the appropriate amount of magnesium oxide to another palatable feedstuff, i.e. feeding in or with 1 to 2 lbs. of corn or other by-product that provides 20-25 grams of magnesium. For dairy cows, magnesium oxide can be added to the grain mix to provide an intake of 20 g of magnesium per cow per day. Magnesium oxide may be routinely used as a buffer in these grain mixes for dairy cows, so producers should check with their nutritionist to make sure adequate amounts and proper sources are being used to prevent grass tetany.

Besides magnesium oxide, another source of Mg is magnesium sulfate, which is more palatable than magnesium oxide. The downside to feeding magnesium sulfate is it can be an issue where cattle are consuming high sulfate water or other feedstuffs high in sulfur. Producers that are feeding corn co-products (distiller's grains or corn gluten feed), adding additional sulfur to the diet in the form of magnesium sulfate, or have high sulfur water could create a sulfur toxicity.

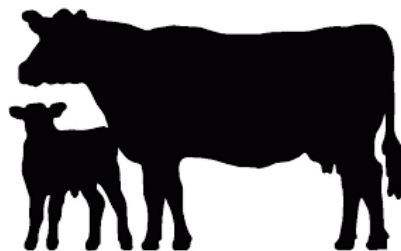
Grass tetany blocks provide magnesium similar to that of a mineral supplement. The major disadvantage of this method is that all the animals may not consume an adequate amount of the block. Multiple blocks should be available with one block per ten cows.

The season for grass tetany will be developing as temperatures rise and grasses begin to grow. To reduce health problems and livestock death to this disorder, it is important to provide a quality high "mag" mineral or supplement containing Magnesium oxide.

# Harrison County Beef Cattle Association Rental Equipment

A \$50 deposit is required on all equipment rentals

<b>Cattle Panels</b>	\$10.00 per day
<b>Portable Cattle Chute (with or without scales)</b>	\$15.00 per day
<b>No-Till Seed Drills</b>	\$50 per day minimum / \$8.00 per acre
Haybuster drills—10 foot working width, can seed 2 different large seeds + 1 small seed at the same time	
Great Plains—7 foot working width, can seed 1 large seed + 1 small seed at the same time	
<b>Boom-less Pull Behind Sprayers (no PTO needed)</b>	\$50.00 per day
Only 2,4-D type products should be used in sprayers	
<b>Tree Planter</b>	\$20.00 plus \$10.00 per acre
<b>Plastic Layer</b>	\$60.00 per day
<b>Plastic Lifter</b>	\$25.00 per day
<b>Water Wheel Setter</b>	\$40.00 per day
<b>Lime Spreader</b>	\$70.00 per day
Will hold 10-ton completely full	
<b>Portable Chain Drag</b>	\$50.00 per day
20 foot or 16 foot width with 5/8 chain	
<b>Brillion Seed Drill</b>	\$10.00 per acre



## Harrison County Beef Cattle Association Presents: Long Range Dewormer Producer Meeting



The Harrison County Beef Cattle Association will be holding a producer meeting about Long Range Cattle dewormer on March 28, 2023 at 6:00pm. Anyone interested in learning more about this product is welcome to attend the meeting. You do not have to be a Harrison County Beef Cattle member in order to attend this meeting.

# Community Corner

## MCTC



## LIBRARY



## CHAMBER OF COMMERCE



## HC EXTENSION



Check out what's happening in our community! Use your smart phone camera to scan the QR codes to be directed to the organization's separate website.

### Soil Testing

If you haven't already it is time to start taking soil samples for the 2023 growing season. By submitting your soil tests early, you can be sure to have your results back before planting time. Drop by the office to pick up a soil probe and bags for all your sampling needs! Soil testing is FREE through the Harrison County Extension Office!

**Dead Animal Removal  
Country Side Industries  
859-421-1867**



## Honey Raisin Muffins

<b>½ cup + 2 tablespoons</b> all purpose flour	<b>¼ teaspoon</b> baking soda	<b>1 cup</b> skim milk
<b>½ cup + 2 tablespoons</b> whole wheat flour	<b>1 teaspoon</b> ground cinnamon	<b>½ cup</b> honey
<b>¾ teaspoon</b> baking powder	<b>¼ teaspoon</b> salt	<b>2</b> egg whites
	<b>2 cups</b> bran flake cereal with raisins	<b>3 tablespoons</b> unsweetened applesauce
		<b>2 tablespoons</b> canola oil

- 1. Combine** flours, baking powder, baking soda, cinnamon and salt in a bowl and set aside.
  - 2. In** a large mixing bowl, **combine** cereal, milk and honey; let stand for 2 minutes to soften. **Stir** in egg whites, applesauce and oil; **mix** well.
  - 3. Add** dry ingredients and stir until moistened.
  - 4. Fill** a greased or paper-lined muffin pan  $\frac{2}{3}$  full.
  - 5. Bake** at 400°F for 15-18 minutes.
  - 6. Cool** 10 minutes before removing from pan.
- Yield:** 12 muffins.  
**Nutrition Analysis:**  
150 calories, 3 g fat, 0 mg cholesterol, 170 mg sodium, 30 g carbohydrate, 2 g fiber, 15 g sugar, 4 g protein.

Buying Kentucky Proud is easy. Look for the label at your grocery store, farmers' market, or roadside stand.





# Homesteading Series



Join us on the 1st Tuesday of each month now through March (excluding January) to learn more about homesteading on your very own property! These courses are suited for those who are interested in homegrown and self-sufficiency whether you are just beginning or have an established operation and just need a few more resources.

**CAIP  
ELIGIBLE  
COURSE**

## 5 Courses Available

### Small Scale Rabbit Farming

Fill your freezer with the other white meat! Learn how to raise rabbits for meat on your homestead, farm, or even in your backyard.

**October 4  
6:00pm**

### Meat Canning

Discover how to can and store the meat you produce to feed your family all year round.

**November 1  
6:00pm**

### Poultry Production for Meat

Purchasing, housing, feeding, maintenance, tips/tricks and more to fill your freezer with homegrown poultry.

**December 6  
6:00pm**

### Beekeeping

Find out what you need to start and care your own apiary for honey production and pollination.

**February 7  
6:00pm**

### Gardening for the Homestead

Fill your kitchen with a homegrown bounty of fruits and vegetables. Discover the how-to's of raising fresh produce at home.

**March 7  
6:00pm**

**To register for the courses or for more information, contact the  
Harrison County Extension Office at 859-234-5510**

Harrison County Farm Bureau Presents ...

# FARMER'S AID

~Protecting Our Food Means Protecting Our Farmers ~

**When: Saturday, March 25th, 2023**

**Time: 10:00am**

**Where: McCauley Building located at  
the Harrison County Fairgrounds**

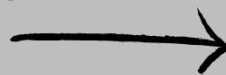


•••Join us to help bring awareness  
about the mental and physical  
health of our farmers•••

**Attendees will  
receive a  
FREE customized  
first-aid kit**

**\*1 kit per household  
\*limited 100 kits**

Register early  
for a chance at a fire  
extinguisher door  
prizes.



Early Registration  
ends March 18



**SCAN ME**

YOU CAN ALSO REGISTER AT THE HARRISON COUNTY FARM BUREAU OFFICE



Refreshments will be provided. There will  
be various guest speakers educating on the  
importance of mental and physical health  
of farmers.

Contact:

Hannah Perkins (859)954-2683

Taylor Darnell (859)298-5204



First-aid kits will be made by  
Northside Elementary Beta Club



College of Agriculture,  
Food and Environment

Organized by the Biosystems and Ag. Engineering, and  
the Kentucky Agriculture Training School (KATS)

# 2023 Drone Sprayer Workshop

*This program is designed for agricultural professionals and  
producers to learn the newest way to dispense chemicals with  
drone sprayers and will be a combination of classroom and  
hands-on learning*

**March 29 8:15 am-3:30 pm**

(sign in begins at 8:00)

**Fayette County Cooperative Extension  
Office 1140 Harry Sykes Way**

**Lexington, KY 40504**



**Register at this link!!**

**<https://ukdronesprayerlexington2023.eventbrite.com>**

**Registrations are limited and will close on March 22, 2023  
\$105 fee includes workshop materials, refreshments and lunch**

If you have questions please contact:

Josh Jackson ([joshjackson@uky.edu](mailto:joshjackson@uky.edu) 859-218-4339) or Lori

Rogers ([lori.rogers@uky.edu](mailto:lori.rogers@uky.edu) 270-625-2143 ext 21317)

## 2023 Drone Sprayer Workshop Agenda

- 8:00** Registration and Refreshments
- 8:15** Welcome and Overview of the Day
- 8:30** Sprayer Drone Cost – *Josh Jackson/Karla Ladino, UK*
  - Decision aid for cost analysis
  - Sizing (Over 55 lb or under 55 lb)
  - Cost per acre and cost per hour
- 9:15** UK Pesticide Safety Education Program (PSEP)—*Ric Bessin, UK*
  - Overview & updates
  - Certified commercial / non-com. & private applicator
  - Category 11 aerial applicator
- 9:45** Break-Visit with Sponsors and Presenters
- 10:15** Federal Rules and Regulations – *Clint Quarles, KDA*
  - FAA Part 107 & Part 137
  - Exemptions & waivers
  - Under 55 lbs vs Over 55 lbs
  - State laws
- 11:00** Fungicide Application in Corn—*Dr. Kirsten Wise, UK*
  - Results of drone sprayer application
- 11:30** Nozzles Selection & Droplet Size – *Tim Stombaugh, UK*
  - Spray patterns and uniformity
- 12:15** Lunch-Visit with Sponsors and Presenters
- 1:00** Outdoor Flights – *Caleb Canter, Aero Ag, LLC*
  - Mission planning
  - Maintenance
  - Challenges
- Approx. 3:30** Questions, Survey and Wrap-up

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**Organized and Sponsored by the Kentucky Forage and Grassland Council, UK Cooperative Extension Service, and the Master Grazer Program**

*This program is designed for producers and agricultural professionals to learn the newest fencing methods and sound fencing construction through a combination of classroom and hands-on learning*

**WHEN:** April 11-Scottsville, KY  
April 13-Richmond, KY

**WHERE:** Allen County Extension Office  
200 E Main St  
Scottsville, KY 42164

SMK Agricultural Venue  
401 Brookstown Rd  
Richmond, KY 40475



**COST:** \$35/participant -- Includes notebook, refreshments, safety glasses, hearing protection, and catered lunch

**Registration DEADLINE: 2 weeks prior to workshop**

**ONLINE Registration with Credit Card:**

Scottsville, KY <https://2023.Scottsville.KY.Fencing.School.eventbrite.com>  
Richmond, KY <https://2023.Richmond.KY.Fencing.School.eventbrite.com>



\*\*\*\*\*

**Registration by U.S. Mail:** Christi Forsythe

348 University Drive  
Princeton, KY 42445

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

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

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip code: \_\_\_\_\_

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

Number of participants \_\_\_\_\_ x \$35 per participant = \_\_\_\_\_ **Total Cost**

**Make CHECKS payable to: KFGC**



For more information contact Krista Lea at 270-625-0712 or [Christi.Forsythe@uky.edu](mailto:Christi.Forsythe@uky.edu)



# 2023 Kentucky Fencing Schools

## 2023 Kentucky Fencing School Agenda

7:30	Registration and Refreshments
8:15	Welcome and Overview of the Day – Chris Teutsch, UK
8:30	Fencing Types and Costs - Morgan Hayes, UK
9:00	Fence Construction Basics – Eric Miller and Payton Rushing, Stay-Tuff <ul style="list-style-type: none"> <li>• Perimeter fences vs. cross fences</li> <li>• Fencing options on rented farms</li> <li>• Proper brace construction</li> <li>• Line posts and fence construction</li> </ul>
9:45	Break – visit with sponsors and presenters
10:15	Electric Fencing Basics - Jeremy McGill, Gallagher <ul style="list-style-type: none"> <li>• Proper energizer selection and grounding</li> <li>• Proper high tensile fence construction and wire insulation</li> <li>• Electric offset wires for non-electric fences</li> <li>• Underground wires and jumper wires</li> </ul>
11:00	Innovations in Fencing Technologies - Josh Jackson, UK <ul style="list-style-type: none"> <li>• Wireless fences, fence monitoring, fence mapping</li> </ul>
11:30	Overview of Kentucky Fence Law - Clint Quarles, KDA
12:15	Catered Lunch - visit with sponsors and presenters
1:00	Hands-on Fence Building <ul style="list-style-type: none"> <li>• Safety, fence layout, and post driving demo - Jody Watson and Tucker LaForce, ACI</li> <li>• H-brace construction - Jeremy McGill, Gallagher &amp; Eric Miller and Payton Rushing, Stay-Tuff</li> <li>• Knot tying, splices, and insulator installation - Jeremy McGill, Gallagher &amp; Eric Miller and Payton Rushing, Stay-Tuff</li> <li>• Installation of Stay-Tuff Fixed Knot Fence - Eric Miller and Payton Rushing, Stay-Tuff</li> <li>• Installation of High Tensile Fencing - Jeremy McGill, Gallagher</li> </ul>
4:30	Questions, Survey and Wrap-up

**Cooperative Extension Service**  
Agriculture and Natural Resources  
Family and Consumer Sciences  
4-H Youth Development  
Community and Economic Development

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LEXINGTON, KY 40546



Disabilities  
accommodated  
with prior notification.







**Harrison County Conservation District**  
**Local Cost Share Application**  
**103 Rodgers Park Drive**  
**Cynthiana, KY 41031**  
**859-234-5876 ext. 3**

**Gateway and Barn Access Erosion Control Program**

The purpose of this program is to help Harrison County landowners with the necessary means to repair gateways/barn entrances to reduce degradation, soil erosion and pollution.

**Eligibility**

- 50/50 Cost Share Rate not to exceed \$500.00 (Reimbursed 50% of expenses, up to \$500)
- One application per FSA farm number, Landowner, and/or Household
- Must have an active Ag Water Quality Plan
- Only gateways and barn access points eligible. Does NOT cover driveways

**Requirements**

- Application must be approved before starting project
- Project must be completed within 90 days after approval
- Must use Non-woven filter fabric
- Must install at least 6 inches of stone to secure fabric
- Ensure full coverage of filter fabric by the rock
- Notify district when project is completed for a checkout
- Submit receipts for a payment request
- Maintenance must be provided for 10 years

Applications Accepted until June 30, 2023; to be returned to the conservation district office at 103 Rodgers Park Dr. (USDA Service Center). Call Kayleigh Evans at 859-298-5932 or email [kayleigh.evans@ky.nacdnet.net](mailto:kayleigh.evans@ky.nacdnet.net) for any questions.

\_\_\_\_\_  
Applicant Name (please print)

\_\_\_\_\_  
FSA Farm #

\_\_\_\_\_  
Address

\_\_\_\_\_  
City & Zip

\_\_\_\_\_  
Phone #

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

I agree to the terms outlined above:

\_\_\_\_\_  
Applicant Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Conservation District Signature

\_\_\_\_\_  
Date Received

\_\_\_\_\_  
App #

**For Office Use Only**

Amount Spent: \$ \_\_\_\_\_

Eligible Reimbursement (50% /\$500): \$ \_\_\_\_\_

Check #

Received by:

Date:



**Harrison County Conservation District**  
**Local Cost Share Application**  
**103 Rodgers Park Drive**  
**Cynthiana, KY 41031**  
**859-234-5876 ext. 3**

**Backyard Conservation Program**

The purpose of this program is to help Cynthiana/Harrison County homeowners promote the wise use of our soil and water resources. Rain barrels are an effective way to manage storm-water runoff and reduce the amount of pollutants that end up in our waterways; as well as reduce the demand on municipal water supplies because the water they store can be used for watering flowers, gardens and lawns, even in times of drought. Compost Bins are a great way to decrease the amount of yard trimmings and food waste going into landfills. Compost is a soil conditioner made up of decomposed organic material; it improves the soil's physical condition and fertility, and as a result improves aeration, root penetration, and water infiltration. Other conservation items may qualify for cost share such as: raised garden beds, beehives, rain gardens, pollinator gardens, etc.

Eligibility

- 50/50 Cost Share Rate not to exceed \$200.00 (reimbursed 50% of expenses, up to \$200)
- One application per household

Requirements

- Application must be approved before starting project
- Project must be completed and receipts turned in by June 7, 2023
- Items may be purchased or constructed independently.
- Notify district when project is completed for a checkout, prior to reimbursement
- Submit receipts for payment request

Applications accepted until April 5, 2023; to be returned to the conservation district office at 103 Rodgers Park Dr. (USDA Service Center), Call Kayleigh Evans at 859-298-5932 or email at [Kayleigh.evans@ky.nacdn.net](mailto:Kayleigh.evans@ky.nacdn.net) for any questions.

Applicant Information, all areas required.

Name (Please Print): \_\_\_\_\_ Phone#: \_\_\_\_\_

Address: \_\_\_\_\_ City/Zip: \_\_\_\_\_

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

Planned Conservation Project Request: \_\_\_\_\_

I agree to the terms outlined above:

\_\_\_\_\_  
Applicant Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Conservation District Signature

\_\_\_\_\_  
Date Received

\_\_\_\_\_  
App #

**For Office Use Only**

Amount Spent: \$ \_\_\_\_\_ Eligible Reimbursement (50% /\$200): \$ \_\_\_\_\_

Check # \_\_\_\_\_ Received by: \_\_\_\_\_ Date: \_\_\_\_\_