



Jessamine County  
Agriculture



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

# AGRICULTURE NEWS

## AGRICULTURE & NATURAL RESOURCES

Cooperative  
Extension Service  
Jessamine County  
95 Park Drive  
Nicholasville, KY 40356  
(859) 885-4811  
www.jessamine.ca.uky.edu

Steve Musen  
Jessamine County Extension Agent  
Agriculture and Natural Resources



### February 2024

## Alfalfa and Stored Forage Conference February 8th, 2024—Bowling Green, KY

The Alfalfa and Stored Forage Conference will be held Feb. 8, 2024 at the Warren County Extension office in Bowling Green. We have an excellent lineup of speakers, with the theme of the conference “Getting Into the Hay Business.” We will hear how top producers in KY and OH got started in the hay business and other speakers will overview the basics of hay production, marketing, and how hay fits into rations for horses and cattle. A highlight of the conference will be Dr. Garry Lacefield, who started the conference 43 years ago. Garry will give his personal reflections on alfalfa production in KY over the last 50 years. Registration information at: <https://2024ASFConference.eventbrite.com>

Topics and speaker include

- Operating a Major Hay and Straw Farm in Ohio – John Russell, Ohio Hay Producer
- Teaching Hay Buyers What Their Horses Really Need – Dr. Laurie Lawrence, Professor, Equine Nutrition, University of Kentucky
- How to Find and Evaluate Used Equipment - Dennis Wright, Alfalfa Producer in Logan County
- Panel: Establishing a Market(s) for Your Hay and Straw
- 50 Years of Alfalfa Production in Kentucky: Observations, Reflections and Opportunities – Dr. Garry Lacefield, Professor Emeritus, University of KY
- Basics of Fertilizing for Successful Hay Production – Dr. Edwin Ritchey, UK Soil Extension Specialist
- How I Got Started in the Hay Business: The Good, the Bad, and the Ugly – Producer Panel

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LEXINGTON, KY 40546



Disabilities  
accommodated  
with prior notification.

## Upcoming Events in Agriculture

Feb 8	Alfalfa and Stored Forage Conf. Warren Co. Extension Office	Feb 19-20	Heart of America Grazing Conf. Greenacres Arts Center, Cincinnati
Feb 8	Jessamine County Goat Producers 6:00p @ Jessamine Extension	Feb 22	Jessamine County Beekeepers 6:00p @ Jessamine Extension
Feb 13	UK Beef Management Seminar 8:00p via ZOOM	Feb 27	Beef Quality/Care Assurance (BQCA) 6:00p @ Jessamine Extension
Feb 19	Jessamine County Cattlemen 6:30p @ Jessamine Extension	March 5	Pastures Please! Equine Forage Conf. 5:30p @ Fayette County Extension
Feb 14-17	National Farm Machinery Show KY Expo Center, Louisville	April 23	Gardening in Small Spaces @ Jessamine County Library

*For more information on any of these programs, please contact the Jessamine County Extension Office*

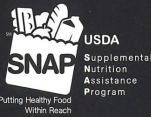


### Oven-Baked Frog Legs

## Healthy Recipe From Cook Wild Kentucky



This institution is an equal opportunity provider. This material was funded by USDA's Supplemental Nutrition Assistance Program — SNAP.



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

#### Oven-Baked Frog Legs

- 1 pound frog legs, cleaned
- Buttermilk, to cover
- ½ cup cornmeal
- ½ cup all-purpose flour
- ½ teaspoon garlic powder
- ½ teaspoon pepper
- ¼ teaspoon salt
- ¼ cup melted butter

In a covered container, soak frog legs in buttermilk for 3 hours or overnight in the refrigerator. Preheat oven to 400 degrees Fahrenheit. Mix cornmeal, flour, garlic powder, and pepper in a plastic bag. Use tongs to remove frog legs from buttermilk. Place one or two at a time in bag with cornmeal mixture to coat. Place frog legs in a greased 13x9 baking dish; sprinkle with salt. Drizzle lightly with melted butter. Cover tightly with aluminum foil and bake 30 minutes, ensure thermometer inserted into the meatiest part of the leg reaches 165 degrees Fahrenheit. Remove foil after 20 minutes to allow frog legs to brown.

**Yield:** 4 servings

Nutrition Facts	
4 servings per container	
<b>Serving size 4 ounces (157g)</b>	
Amount per serving	% Daily Value*
<b>Calories 280</b>	
<b>Total Fat</b> 12g	<b>15%</b>
Saturated Fat 7g	<b>35%</b>
Trans Fat 0g	
<b>Cholesterol</b> 90mg	<b>30%</b>
<b>Sodium</b> 330mg	<b>14%</b>
<b>Total Carbohydrate</b> 22g	<b>8%</b>
Dietary Fiber 2g	<b>7%</b>
Total Sugars 0g	
Includes 0g Added Sugars	<b>0%</b>
<b>Protein</b> 21g	
Vitamin D 0mcg	0%
Calcium 23mg	2%
Iron 3mg	15%
Potassium 382mg	8%

\* The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.



## Upcoming Opportunities:

### Alfalfa and Stored Forage Conference

February 8th @ Warren County Extension Office, Bowling Green

See Page 1 for registration information

Meets [CAIP Education Requirements](#)

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### UK Beef Management Webinar Series

If you would like to register, please send an email to [dbullock@uky.edu](mailto:dbullock@uky.edu) with Beef Webinar in the subject line and your name and county in the message.

All meeting times are 8:00pm ET and meets [CAIP Education Requirements](#).

- [February 13, 2024](#) What's the Cost of a Cheap Mineral – Katie VanValin, Assistant Extension Professor, University of Kentucky
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### Heart of America Grazing Conference

February 19-20, 2024 at the Greenacres Arts Center, Cincinnati, OH

See Flyer for Registration Information

Meets [CAIP Education Requirements](#)

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### Kentucky Alfalfa and Stored Forage Conference

8:00a-4:00p—Tuesday, February 21 @ Cave City Convention Center

See flyer for registration information

Meets [CAIP Education Requirements](#)

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### Beef Quality/Care Assurance (BQCA) Training

Tuesday, February 27th, 6:00p @ Jessamine County Extension

Light dinner included, please call ahead to reserve a spot

Meets [CAIP Ed. Requirements](#) and [CAIP Large Animal Requirements](#)

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### Pastures Please! Equine Forage Conference

Tuesday, March 5th, 5:30p-7:00p @ Fayette County Extension Office

See flyer for registration information

Meets [CAIP Education Requirements](#)

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### Follow us on Facebook

@ Jessamine County Agriculture



## Pasture Success with Clover Frost Seeding

**“The advantages of cultivating clover are substantial, encompassing natural nitrogen fixation, and enhanced forage quality and yield.”**

Kentucky’s weather conditions are predictably unpredictable. During the Kentucky Forage and Grassland Council assembly in November, board members discussed a possible shift in optimal timing for frost seeding clover-- broadcasting red clover into winter wheat just before green-up -- due to the increasingly milder winters. With that said, be careful when making statements about Kentucky weather as weather variation complicates predicting the optimum period for frost seeding clovers.

As legumes, clovers are an essential part of a strong and healthy nitrogen cycle in grasslands. Distributing six pounds of red clover and one to two pounds of white clover over a grassy area with some bare soil in the later part of winter, combined with minimal competition control, can develop high-quality pasture.

The advantages of cultivating clover are substantial, encompassing natural nitrogen fixation, and enhanced forage quality and yield. Particularly noteworthy is recent U.S. Department of Agriculture research indicating that red clover can significantly mitigate the vasoconstrictive effects of toxic endophyte tall fescue, making it an exceptionally valuable crop.

Frost seeding is a preferred establishment method due to its minimal equipment requirements. Typically, a small spinner seeder attached to a tractor or four-wheeler is all you would need for seed distribution. Red and/or white clover are well-suited for frost seeding as they exhibit rapid germination, shade tolerance, and vigorous root and shoot development in their seedling stages. Their small, smooth seeds are readily incorporated into the top quarter inch of soil through natural weather patterns or animal movement.

Despite the numerous advantageous clover traits are for establishment, it is crucial to adhere to the fundamental requirements of forage establishment, even in low-input methods like frost seeding. These essentials include:

- Conduct soil analysis and apply necessary nutrients. Clovers thrive in soil with a pH of 6.5 to 7 and medium to high levels of phosphorus and potassium. Nitrogen should only be added when diammonium phosphate is required for phosphorus provision.
- Choose a high-quality variety. Opt for an improved variety with established performance and genetics. Selecting a superior red clover variety can yield up to three tons more hay per acre and extend the stand’s lifespan compared to common, unclassified seeds. The University of Kentucky provides extensive yield data and persistence of white and red clover varieties for hay and pasture, available at [http://forages.ca.uky.edu/variety trials](http://forages.ca.uky.edu/variety%20trials). It is advisable to check with seed suppliers to see if your favorite variety is available.
- Apply an adequate quantity of seed. Typical seeding rates range from 8 to 12 pounds of red clover and one to two pounds of white/ladino clover per acre. A reduced rate, such as six pounds of red and one pound of white clover, still results in over 55 seeds per square foot (37 red and 18 white).
- Ensure seed contact with bare soil. Removing excess grass or thatch, revealing bare ground, is imperative before overseeding. A major cause of frost seeding failures is excessive



## Frost Seedings of Clover (cont.)

ground cover. Farmers can achieve bare soil exposure through controlled cattle movement or mechanically using a chain harrow.

- Achieve optimal seed-soil contact. Frost seedings rely on precipitation and the freeze-thaw cycle to integrate clover seeds into the top quarter inch of soil. Utilizing a corrugated roller post-seeding can further enhance soil contact.
- Manage competition the following spring. Avoid additional nitrogen application on overseeded fields. Be prepared for timely mowing to control

grass or weed overgrowth above the clover. Although clover seeds are inherently vigorous, controlling competition can expedite and improve establishment.

With careful attention to soil fertility, variety selection, seeding rate, seed placement and competition management, clover can be successfully frost seeded into existing grass pastures.

*Source: Dr. Jimmy Henning, U.K. Plant and Soil Science Extension Professor*

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## KDA Nuisance Weed Spraying Program

NOTE: The registration period for this program is the month of February, and all registration must be done online at <http://www.kyagr.com/consumer/nuisance-weed-spraying-program-application.aspx>. This program consists of weed spraying demonstration plots. The department will provide the sprayer and enough chemical for the treatment of 10 acres of agricultural land or 100 gallons of spot spraying mix to be used on agricultural land. This program is limited to broadleaf weeds.

Broadcast Spraying demonstration plots consist of:

- 10 acres of agricultural land will be treated with chemical provided by the department
- Application is performed with a two-wheeled trailer type sprayer equipped with boomless nozzles.
- If additional chemical is provided by the participant, an additional 10 acres can be treated

Spot Spraying demonstration plots consist of:

- 100 gallons of broadleaf chemical mix which is applied until sprayer is empty
- Application is performed with a two-wheeled trailer type sprayer equipped with a handheld spray wand used by the tractor operator
- The participant must provide water source
- The participant must provide tractor and operator
- All chemical products must be labeled and the product label will be strictly followed.

**“The department will provide the sprayer and enough chemical for the treatment of 10 acres of agricultural land or 100 gallons of spot spraying mix”**

## Planning for your Future Garden

**“Winter is an excellent time for planning next year’s garden. Take advantage of the shorter days and cooler weather to create a vision for the upcoming growing season.”**

Winter is an excellent time for planning next year’s garden. Take advantage of the shorter days and cooler weather to create a vision for the upcoming growing season.

The first step is to look back on the previous growing season. Revisit any photos taken to refresh your memory of the plants that brought enjoyment, utility or challenges. What grew well and what did not perform as expected? If you took any notes or recorded activities in your calendar, review those items. If something was done a little late or too early, think about how you could change your approach.

Evaluate the produce your household consumed last year. Consider if you need to grow additional quantities or increase the amount grown. Also ask yourself if there are other varieties that you would like to try.

For your garden, list the plants you intend to grow and consider where they will be planted. Even a rough-draft map can help you better understand what is

possible. These records can serve as a shopping list and a reference for later. Digital tools such as spreadsheets are excellent for this purpose as they can be easily located in subsequent seasons and revised. However, the pen-and-paper method can serve the same purpose and be great for mapping out the location of plantings. There are also apps available to digitally plan your garden bed.

Once you have a general idea of the plants you want for your home garden, you can more confidently turn your attention to sourcing seeds. Seed companies can be located online, but if you prefer a physical catalog, call and request one. Reputable seed sources will identify the variety sold as well as a description, germination rate and lot number. Seeds for popular varieties can sell out quickly, so purchasing things ahead of springtime is a good idea.

*Source: Kathryn Pettigrew, U.K. Horticulture Research Analyst, and Dr. Rachel Rudolph, Horticulture Assistant Professor*

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Reasonable accommodation of disability may be available with prior notice. Program information may be made available in languages other than English.

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US Department of Agriculture, Office of the Assistant Secretary for Civil Rights, 1400 Independence Avenue, SW, Washington, D.C. 20250-9410

# 2024 Horses & Horsemen:

Join us for the 17th annual

# PASTURES PLEASE!!

Tuesday, March 5



Scan QR code  
to RSVP



or go to  
[tinyurl.com/pasturesplease24](https://tinyurl.com/pasturesplease24)

## Schedule:

5:30—Meal

6:00—How to Rescue a Pasture for Short Term Use, Dr. Jimmy Henning

6:30—Selecting Herbicides for Targeted Weed Control, Dr. Bill Witt

7:00—Not Just Triple 19 – Fertilizing Pastures Based on Need, Keenan Bishop



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**Scott County  
Extension Office**  
1130 Cincinnati Rd  
Georgetown, KY 40324  
502-863-0984

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JESSAMINE COUNTY  
BEEKEEPER'S CLUB  
FEBRUARY MEETING

**Jack Kuhn talks about:  
Spring Hive  
Management**

**Join Our FB page:  
Jessamine County  
Beekeepers**

95 PARK DR  
NICHOLASVILLE, KY  
6PM 2/22/24







# HEART OF AMERICA GRAZING CONFERENCE

Hosted at Greenacres Foundation • Cincinnati, Ohio

**Real Farmers,  
Real Success:  
Practical guide  
to farming**

**February 19 - 20, 2024**

**Location:** Greenacres Arts Center  
8400 Blome Road, Cincinnati, OH 45243

**Registration:** scan the code or visit  
[green-acres.org/upcoming-events](https://green-acres.org/upcoming-events)

**Questions?**

Email [mcox@green-acres.org](mailto:mcox@green-acres.org)



**REGISTER  
HERE**

## SCHEDULED SPEAKERS:

- ▶ **Dan Glenn**  
Deep Grass Graziers Farm  
*Choosing and developing cattle genetics to suit your needs.*
- ▶ **Lyda Garcia**  
Ohio State University  
*How animal handling directly affects meat quality and carcass price.*
- ▶ **Monte Bottens**  
Illinois crop and livestock farmer  
*Farming thousands of row-crop acres and improving margins through cover crops and livestock.*
- ▶ **Dr. Jason Salchow**  
Missouri custom grazier, veterinarian and University of Missouri professor  
*How to build a profitable custom grazing operation from scratch to over 600 head.*
- ▶ **Chad Bitler**  
Research Director,  
Greenacres Foundation  
*Native Warm Season Grasses can benefit a grazing farm, provided they are established correctly.*

Additional speakers to be announced soon

For updated information, scan the code above or visit [green-acres.org/upcoming-events](https://green-acres.org/upcoming-events)



Jessamine County Extension Office  
95 Park Drive  
Nicholasville KY 40356