

# THE FARMACY

## OCTOBER NEWS



# Agent Remarks

My second month here in Scott County has definitely kept me busy. I have continued to branch out and meet community members. I greatly enjoyed my time at the Farm Bureau Annual meeting, the Harvest Day Banquet, and Leadership Scott County Ag Day. I've enjoyed getting to know and talk with so many producers and consumers. I hope to continue to be out in the community and get to know more about Scott County. Fall is in full swing here in Scott County which can be one of the busiest times for farmers. Many farmers are wrapping up their hay season, having fall calves, or in the midst of grain harvests. Please be aware of the heavy farm equipment traffic that will be on the roads. This upcoming month there are many events, workshops, and conferences available to producers. Information about these events can be found throughout the rest of the newsletter.

I want to hear from you! Feel free to reach out to me here at the Extension Office by phone at (502) 863-0984 or by email at [brittany.brewer@uky.edu](mailto:brittany.brewer@uky.edu)



### In This Issue

.....

**Agent Remarks.....1**

**The Variability of the First Fall Freeze.....2**

**Cover Crop Incentive Program.....3**

**Five Things to DO to Improve the Efficiency of Winter Feeding this Year.....4-5**

**General Beef Reminders.....5**

**Recipe.....6**

**Reach out.....6**

**Events.....6-10**

**NASS.....10**



With the turning of the calendar to the month of October, Mother Nature typically responds with cooler temperatures and more pleasant weather compared to the heat and humidity of summer.

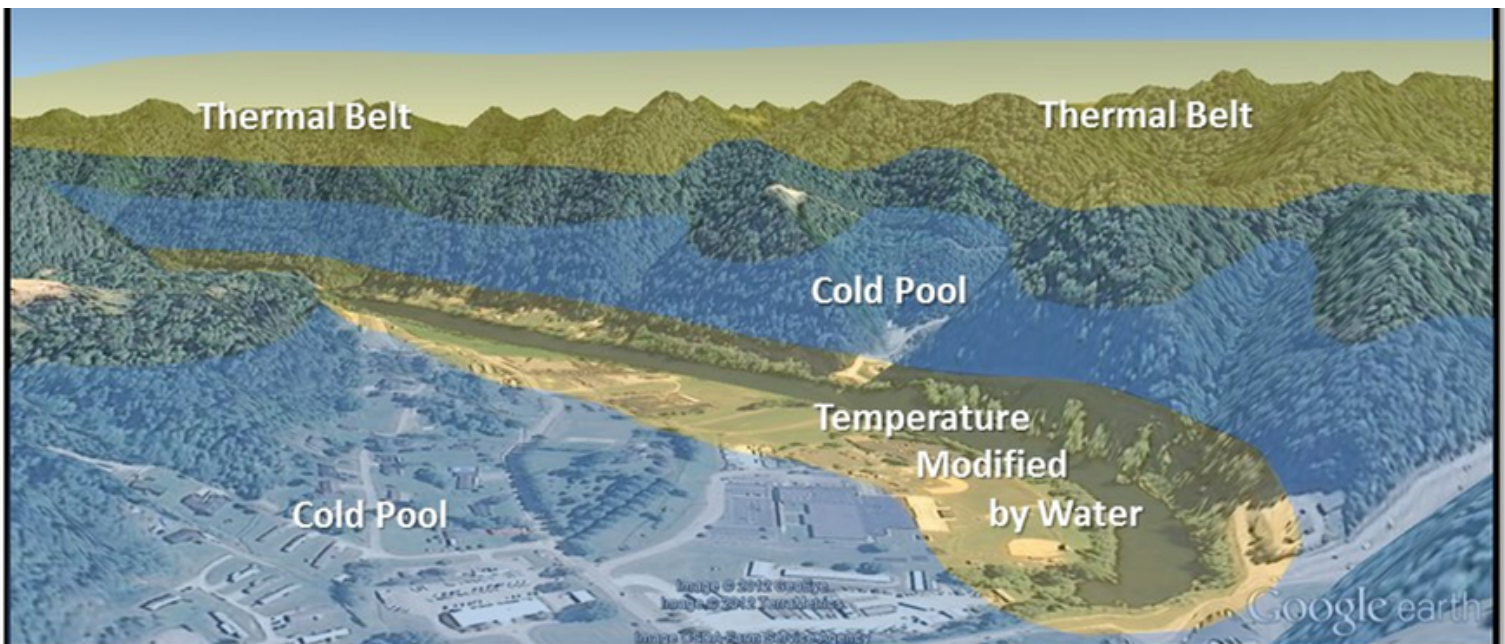
With the cooler temperatures at night, most locations across Kentucky will likely see their first freezing temperatures during the month of October, putting an end to the growing season.

However, where you live - and the elevation at which you live - can have a significant impact on when you see those first freezing temperatures of the fall.

# The Variability of the First Fall Freeze

-Tony Edwards, National Weather Service Charleston, WV

Many locations in Kentucky typically see their first freeze during the last week of October. However, rural areas in valleys away from bodies of water can see this occur a week earlier, while locations on ridge tops or near large bodies of water can see this first freeze occur up to a week later, into early November. You may wonder why this variability occurs?



As shown in the illustration above, cold air is heavy and tends to drain into the lower elevation valleys and hollows on clear, calm nights. As this happens, warmer air rises and typically forms what's known as the thermal belt. This thermal belt can keep the ridgetops several degrees warmer than the valleys. In fact, in the extreme terrain of eastern Kentucky, ridgetop locations can quite often be 10 to 20 degrees warmer than the valleys below on calm and clear mornings. Water also holds heat longer and so larger bodies of water such as lakes and rivers can moderate the temperatures for nearby locations.

So, while it's pretty much inevitable that our gardens will succumb to the cold at some point during the month, the location of your garden in relation to elevation and proximity to bodies of water can make a big difference in how long those last tomatoes and peppers linger on the vines.



**Scott County Conservation District**  
**Cover Crop Incentive Program**

**2022 Sign Up**

The Conservation District is offering an incentive payment to growers who sow a live root winter cover crop. This practice will improve and protect soil quality, as well as protect our creeks and streams from potential excess nutrient run-off. As a best management practice, a winter cover crop will benefit the producer, the soil, and the environment.

**\$30 per acre incentive up to Local Cost Share limit**

**Traditional Cover Crop**

**Radishes / Turnips seeded by September 15th**

**Timothy / Orchard grass seeded by September 15th**

**Wheat / Rye seeded by November 15th**

Provide a copy of your aerial map to identify fields at time of application.  
Program is retroactive back to August 1, 2022. Incentive will be paid after inspection.

To participate, applicants must be current on:  
Dead Stock Removal account  
KY Water Quality Plan

**Apply at the Conservation District Office ~ 100 East Penn  
Avenue**

(offer valid until depletion of designated funds)

This is a local cost-share program funded by the Scott County Fiscal Court, through the Scott County Conservation District

The Scott County Conservation District does not discriminate in any of its programs or activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, marital or family status.



**Scott County  
Conservation District**

# FIVE THINGS TO DO TO IMPROVE THE EFFICIENCY OF WINTER FEEDING THIS YEAR

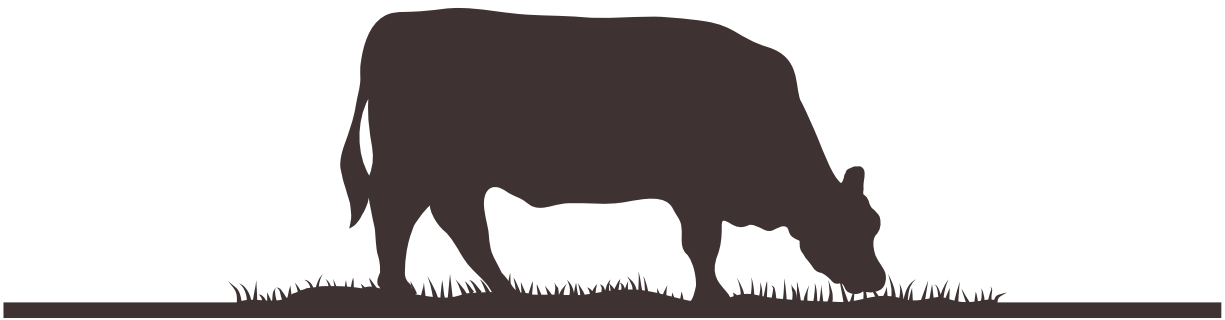
DR. KATIE VANVALIN, ASSISTANT PROFESSOR BEEF NUTRITION, UNIVERSITY OF KENTUCKY



Undoubtedly, 2022 has had its fair share of challenges thus far. High input prices likely led to fewer hay acres being fertilized, which with the added pressure of drought, can lead to lower quality and quantity of stored forages moving into this winter. You might be in for sticker shock if you haven't purchased feed recently. It can be easy to get caught up in things we have little to no control over, so here are five things we can do to improve this year's winter-feeding program.

- **Body condition score the herd:** Calves should be weaned from the spring calving cows (or will be very soon). It's easy to get caught up focusing on the weaning weight of the calves or managing a pre-conditioning program but don't forget about the cows. Now is the time to assess the body condition score of the herd. Spring calving cows will have their lowest nutrient requirements of the entire year shortly after weaning the calf. Now is the time to efficiently add condition to thin cows to set them up for success during the 2023 breeding season. Sorting cows by body condition score can allow for more efficient herd management and for those thin cows to receive the extra nutrition they require without overfeeding them in adequate condition. It is much more challenging to add condition to cows as they approach calving or have a calf at side. The ideal body condition score for mature cows is 5, while targeting younger females to a BCS 6 can ensure they have the extra condition required to meet their additional nutrient requirements for supporting growth.
- **Test your hay:** This is something we always recommend, but in years like 2022, this becomes even more important. Hay tests provide valuable information about the energy and protein concentrations in the sample. All lots of hay should be tested, and a lot is defined as hay harvested from the same field on the same day and stored under the same conditions. Testing all lots of hay allows producers to match lots of hay to the herd so that the lowest quality hay is being fed when the cows' nutrient requirements are the lowest while saving the best quality hay for when nutrient requirements are their highest. Feeding the right hay to the right cow at the right time can drastically decrease the amount of supplement required to maintain body condition.
- **Evaluate supplement costs:** At some point throughout the year, some supplementation is likely required to meet the energy and protein requirements of the herd. Using hay test results can help determine the most efficient supplement to match the energy and protein deficits in the hay. The University of Kentucky Forage Supplement tool is a simple-to-use online tool that provides recommendations for supplementation based on hay test results. Also, reach out to your local county extension agent or nutritionist to assist in interpreting hay test results. Now is the time to sharpen the pencil and determine which supplement options will be the most economical to pair with available forage. Remember, the feed that was the most economical last year may not be the most economical choice this year. Just because one feed costs more on a \$/Ton basis does not mean it is the most expensive supplement to feed. The amount of a particular supplement required must also be considered.

- **Feed hay efficiently:** Regardless of quality, when the quantity of hay is tight, available hay stores must be fed efficiently. Research has shown that feeding hay in a hay ring prevents feeding waste, especially rings that contain a solid skirted bottom. Hay feeding pads and fence line feeders can also reduce hay feeding losses. While these measures will not completely reduce hay feeding losses, these losses can be reduced from 45% to as little as 6% by using hay rings. Moving hay rings or utilizing bale grazing can help to limit trampling damage around these hay feeding sites and help to distribute manure evenly across the feeding area.
- **Stockpiling forages:** Although nitrogen application can increase the amount of stockpiled forage available to graze during the winter, tall fescue can still stockpile even without a nitrogen application. Closing off certain fields during the fall growing season can allow the forages in these fields to stockpile, which can then be grazed during the late fall and early winter. While the nutrient quality of stockpiled fescue declines over time, nutrient content can remain adequate for supporting dry cows. Consider setting up a simple strip grazing system using temporary electric fencing to prevent trampling losses when turning cattle out on stockpiled forages.
- **Contact your local county extension office for more information about establishing an effective and efficient winter-feeding program.**



## **General Beef Reminders**

- Avoid prussic acid poisoning that can happen when frost ruptures the plant cells in sorghums, sorghum-sudan hybrids, sudangrass, and johnsongrass releasing prussic (hydrocyanic) acid. Fields can be grazed after the plants have dried up after a frost. New growth that occurs in stalk fields is potentially dangerous whether frosted or not.
- Take soil samples for soil analysis to determine pasture fertility needs. Apply phosphate, potash, and lime accordingly.
- Test hay quality and make inventory of hay supplies and needs. Adjust now - buy feed before you run out in the winter.
- Do not harvest or graze alfalfa now in order for it to replenish root reserves.
- Remove fly-control eartags from all animals, dispose of according to instructions on package. Treat for grubs/lice.



# 2022 KY ANNUAL PRODUCER CONFERENCE



10 - 22 - 22

**\$30 per person; \$50 per couple**  
**Kids 12 & under Free**  
 ONLINE CONFERENCE - \$15

**KSU Research Farm**  
 1525 Mills Lane  
 Frankfort, KY 40601

**REGISTRATION SIGN-UPS END OCTOBER 17<sup>th</sup>, 2022**

• Renew Association Membership with Registration •

**FOR MORE INFORMATION & REGISTRATION VISIT**

[www.kysheepandgoat.org/annual-producer-conference](http://www.kysheepandgoat.org/annual-producer-conference)

**FOR SPONSORSHIP INFORMATION**

[www.kysheepandgoat.org/product-page/ky-annual-producer-sponsor](http://www.kysheepandgoat.org/product-page/ky-annual-producer-sponsor)



Kentucky  
**SHEEP & GOAT**  
 DEVELOPMENT OFFICE



**DOOR PRIZES & NETWORKING OPPORTUNITIES**

# Reach Out

I want to get to know you and Scott County! Let me know if you have any questions or concerns about agriculture related things in the county. Please feel free to call me (502) 863-0984, email me at [brittany.brewer@uky.edu](mailto:brittany.brewer@uky.edu) or come on into the office.

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## Blackberry Peach Crumble

**2 cups** fresh blackberries  
**2 cups** peeled and sliced fresh peaches or 1 (16 ounce) bag frozen peach slices, thawed  
**1 teaspoon** grated lemon peel  
**2 tablespoons** cornstarch  
**½ cup**, plus **½ cup** packed brown sugar

**½ cup** all-purpose flour  
**½ cup** chopped blanched almonds, (optional)  
**¼ teaspoon** salt  
**6 tablespoons** butter, cut into pieces

**Combine** blackberries, peaches, lemon peel, cornstarch and ½ cup brown sugar in a large bowl.

**Pour** ingredients into a lightly greased 8 inch baking dish.

**Mix** together flour, almonds, salt, and remaining ½ cup brown sugar. With pastry blender or two knives, cut in the butter until the mixture resembles coarse meal.

**Sprinkle** flour mixture over fruit.

**Bake** in a pre-heated 400° F oven for 30 minutes.

**Cool** 10 minutes prior to serving.

**Yield:** 8, ½ cup servings

**Nutritional Analysis:** 270 calories, 14 g fat, 25 mg cholesterol, 135 mg sodium, 35 g carbohydrate, 2 g protein, 3 g fiber.  
 Without almonds: 220 calories, 9 g fat, 25 mg cholesterol, 135 mg sodium, 35 g carbohydrate, 2 g protein, 3 g fiber.

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



RECIPE

# SMALL RUMINANT PARASITOLOGY CLINIC

## REGISTER NOW:

<https://bit.ly/3IV4Zgk>

- Registration is limited to 20 participants.
- Registration is \$50 per household
- Participants will receive fecal floatation and fecal egg count starter kits. The kits will include all things needed except the microscope to do these tests.

## ONLINE PRESENTATIONS:

- Sept. 19: Parasitology 101
- Oct. 3: Dewormers and Treatment Strategies
- Oct. 17: Rotational Grazing for Parasite Prevention

## IN-PERSON WORKSHOP: OCTOBER 21, 2022

Harold R. Benson Research and Demonstration Farm | 1525 Mills Lane, Frankfort, KY 40601  
1 - 4:15 p.m. EST

- Q & A
- Body Condition Scoring and FAMACHA Presentation
- Fecal Flotation and Fecal Egg Count Presentation
- Hands-on Workshops for FAMACHA and Fecal Egg Counts



# E V E N T S

# Beef Bash 2022

*Recovering and Rebuilding from a natural disaster*

**Date:** Thursday October 20<sup>th</sup>, 2022

**Time:** Registration 8:30 AM CT  
Program starts at 9 AM CT

**Location:** The beef unit at the University of Kentucky Research and Education Center.

348 University Dr  
Princeton, KY 42445

\*Signs will be posted to the beef unit

**MAKE PLANS TO JOIN US!**

Commercial exhibitors

Educational exhibits and demonstrations

University of Kentucky, College of Agriculture Food & Environment personnel and administrators

No cost to attend  
Lunch available to purchase



# Kentucky Regional Fencing Schools

**Nov. 1, 2022 at Marion Cooperative Extension Office 7:30 - 4:30pm**

**Click [HERE](#) to register for the Marion Fencing School.**

**Nov. 3, 2022 at Clay Cooperative Extension Office 7:30 - 4:30pm**

**Click [HERE](#) to register for the Manchester Fencing School.**

**Registration Fee: \$30**

## 2022 Kentucky Grazing Conference

**Profitable Grazing Systems from the Soil Up**

**Western Kentucky - October 26th**

Grayson County Extension Office, Leitchfield

**Eastern Kentucky - October 27th**

Clark County Extension Office, Winchester

Click [HERE](#) to register for the Western Kentucky Grazing Conference.

Click [HERE](#) to register for the Eastern Kentucky Grazing Conference.

Tickets: Advance \$35/ \$50  
Onsite/ \$15 Students.



## Eden Shale Farm Open House

October 15



Tour begins at 10am. Please call the KCA office at (859) 278-0899 or email [kbn@kycattle.org](mailto:kbn@kycattle.org) to reserve your spot for lunch.

Reservations are capped at 100 participants



# THIRD THURSDAY THING



Topic: Small Ruminants

October 20, 2022, at 10:00 AM EST

Register: [https://bit.ly/october\\_ttt](https://bit.ly/october_ttt)

Join Kentucky State as they cover all things small ruminant. This will include active workshops, demonstrations, and lunch.

To register click [HERE](#).

Join us in person at the Harold R. Benson Research & Demonstration Farm or online!



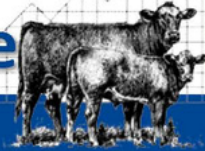
1525 Mills Lane, Frankfort, KY 40601



[youtube.com/kysuag/live](https://youtube.com/kysuag/live)

Kentucky State University is an equal opportunity provider.

# Kentucky Beef Conference



October 17, 2022

## In person

Fayette County Extension Office  
1140 Harry Sykes Way  
Lexington, Kentucky 40504

## **5:30-6:30**

Registration, visit  
sponsors, meal  
\$10 registration fee  
**RSVP by October 10th**

**to Fayette County  
Extension Office  
859.257.5582**

## Zoom Webinar –FREE **Registration Link:**

[https://forms.gle/  
JfvpRkiQ1Hx9ocnh9](https://forms.gle/JfvpRkiQ1Hx9ocnh9)

Once registration is  
complete, you will be  
emailed the zoom link.

## **6:30—Welcome & Sponsor Recognition**

Beau Neal, Fayette County Agriculture &  
Natural Resources Extension Agent

## **Extension Remarks**

Dr. Laura Stephenson, UK Extension  
Director

## **Beef Outlook & Marketing Strategies**

Patrick Linnell, Cattle-FAX Analyst

## **7:15—Asian Longhorned Tick Concerns**

Dr. Michelle Arnold, UK Ruminant  
Extension Veterinarian

## **7:45-Feeding Drought Stressed Forages**

Dr. Jeff Lehmkuhler, UK Beef Nutrition  
Extension Specialist

## **8:05—Breeding Stock Investment in Expanding Beef Market**

Dr. Kenny Burdine, UK Beef Economic  
Extension Specialist

## **8:30—Adjourn**

The University of Kentucky Extension is excited to announce that this year's Kentucky Beef Conference will be back in person. We look forward to reaching even more cattle producers across the state by offering a hybrid option that includes an in-person workshop as well as a zoom webinar. These opportunities will allow for our producers to attend in-person or online. Accompanying the in-person conference will be a dinner, showcase and give away allowing sponsors to display their products or services to all in attendance.

Click [HERE](#) to sign up for the online Zoom. Call the Fayette County Extension Office for In-Person registration.

Kentucky's farmers will soon have the opportunity to be represented in the nation's only comprehensive and impartial agriculture data for every state and county. The U.S. Department of Agriculture (USDA) will mail the 2022 Census of Agriculture to 125,000 Kentucky ag producers this fall.

The 2022 Census of Agriculture will be mailed in phases, starting with an invitation to respond online in November. Farm operations of all sizes, urban and rural, which produced and sold, or normally would have sold, \$1,000 or more of agricultural product in 2022 are included in the ag census.

Collected in service to American agriculture since 1840, the Census of Agriculture tells the story and shows the value of Kentucky's agriculture. It highlights land use and ownership, producer characteristics, production practices, income and expenditures, among other topics. For more information visit [www.nass.usda.gov/AgCensus](http://www.nass.usda.gov/AgCensus).



Important information from the  
National Agriculture Statistical  
Survey about the 2022 Census!

**NASS**

