

THE FARMACY

FEBRUARY NEWS



Agent Remarks

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I hope you all have had a good January. Here at the Extension Office I've been as busy as ever. I've hosted my first session of BQCA. I've also been busy working on programming for this year. I hope to offer monthly programs that will be beneficial for all producers in the county.

I think it's safe to say that all the rain we lacked this fall we made up for this past month. Along with the rain we have dealt with a tremendous amount of mud. Mud requires livestock to use more energy throughout the day which results in the loss of average daily gains. To combat mud is no easy feat. It takes time and money which most producers allocate elsewhere. However, there are steps farmers can take to minimize mud around their farm. To learn more read the article on page 4 "Appropriate All Weather Surfaces for Livestock".

I look forward to starting out this year on a positive note. I'm settling in well here in Scott County and at the Extension Office. I now plan on taking time out of my schedule to connect with more producers and go on more farm visits. My main goal within this year is to get to know as many producers as I can!

Please reach out if you have any questions or want to schedule a visit!
Have a great February!



Winter Areal and River Flooding

Jane Marie Wix - National Weather Service Jackson, KY

When we receive enough water that the ground can't absorb anymore, it begins to accumulate on the surface - we call that runoff. The water either begins to pond, or runs into the nearby creek and river channels. However, when ponding water begins to rise and blocks roadways or impacts residences, or the streams and rivers can't hold any more water and spill out of their banks - we call this flooding. This time of year areal flooding is more likely simply because the cold temperatures may keep part of the ground frozen and because there is a lack of vegetation - both of which cause a reduction in the amount of water the ground can absorb, and increases the amount of runoff. Flood waters can be the result of heavy rain, excessive or rapid melting snow and ice, or a combination of the two.

Thinking back to February of 2021 here in Kentucky - large portions of the state received 3 large snow and ice events, with quite a bit of snowpack on the ground. This was then followed by a round of heavy rain, which melted the snow. With the ground still frozen, the liquid had nowhere to go. Low lying areas, creeks, streams, and eventually the rivers all slowly filled up - leading to widespread areal and river flooding across the state, especially in the east and along the main stem rivers.

When weather conditions become more favorable for flooding, the National Weather Service will issue more directed products about conditions on rivers and large creeks.

- A Flood Watch will be issued on days when flooding is more likely on a river or large creek. A Flood Watch means flooding in the area is more likely than on a normal day, but that flooding is not currently expected.
- A Flood Warning will be issued when flooding is forecast or occurring. A Flood Warning means flooding is expected or has been reported at designated river forecast points.
- Flood Advisories may be issued for minor flooding on rivers and creeks.
- Areal Flood Warnings may be issued for flooding on parts of rivers or large creeks not covered by designated river forecast points.

In general, areal flooding along rivers and large creeks is somewhat gradual - meaning there will be some time to prepare. Make sure to monitor your nearby creeks and rivers in heavy rain events or during large snow melts. Listen to the NOAA Weather Radio for flood watch/warning/and advisory information, and have a plan in place for getting you and your animals out of danger. Connect with your family and neighbors about local flood risks and planning needs ahead of time. **NEVER** attempt to cross a flooded roadway or bridge!!! If you can't get out, seek higher ground.



Prepare
For Flooding
Before It
Happens

Are you located in
a floodplain?

What is the fastest way
to higher ground?

What roads nearby are
most likely to flood?





2023 Pasture Renovation Program

Eroded Areas (Livestock Damaged Pastures)

❖ **Sign-up period is February 1st – March 31st**

(Program will run now thru depletion of funds)

❖ 50% cost-share rate not to exceed \$1500.00

❖ Pasture renovation with grasses or legumes

(All seeds legally sold in Kentucky with an approved certified seed tag)

❖ Current Soil Test (no more than a year old)

❖ All renovated pastures must be identified on farm map

❖ Receipt of seed purchase(s)

Completion of project and all paperwork submitted by May 1, 2023

Note: Grasses seeded by April 15th / Alfalfa seeded by May 1st

Recommendation: No grazing on renovated field for at least 60 days from date of seeding.

Please call or stop by the Conservation District Office
Located at 100 E Penn Avenue
Office open Monday thru Friday from 9:00 am – 2:00 pm
Phone Number: 502-863-2466

Forage News

Timely Tips

- Continue grazing stockpiled tall fescue if available.
- Assess grass stands. If thin, consider adding legumes.
- Begin frost seeding with 6-8 lb/A red and 1-2 lb/A ladino white clover on closely grazed pastures.
- On pastures with lower fertility, consider also adding 10-15 lb/A annual lespedeza.
- Consider applying 40 lb/A nitrogen in mid- to late- February on some pastures to promote early growth.
- Sign up for shared use drills for spring renovation.
- Service and calibrate no-till drills.
- Apply lime and fertilizer according to soil test if not done in fall.

Fertilizer Value of Supplemental Feed for Cattle on Pasture

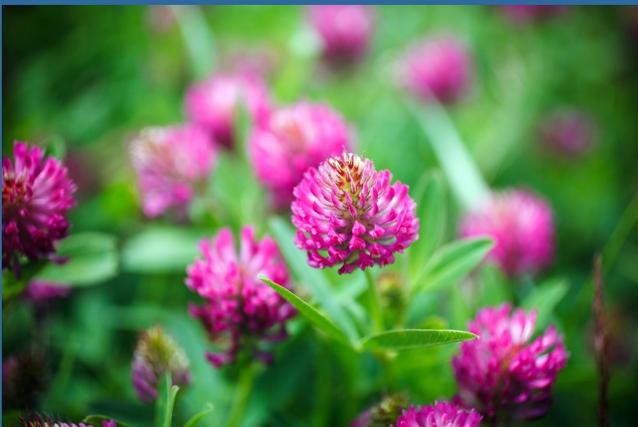
-University of Missouri Extension

The value of commodity feeds is well established in the beef cattle industry. An often-overlooked aspect of supplementing grazing cattle with hay is the additional mineral nutrients that pass through the animal to the pasture in the manure and urine. The objective of this guide is to help calculate the value of supplemental feeds as a fertilizer for pastures. With manure nutrients, cattle are the fertilizer spreader. Urine typically contains more than 50 percent of the total nitrogen and potassium excreted by cattle. Conversely, feces contain 80 percent of the total phosphorus excreted by cattle. The nutrients in supplemental feed are only valuable as a fertilizer if you take steps to ensure that they are spread evenly around the whole field. Animals typically do a poor job of distributing nutrients around a pasture; nutrients tend to concentrate near feeders, water and shade areas. The bulk of the pasture often gets only limited benefits from manure nutrients unless steps are taken to improve manure distribution by grazing animals.

Click [HERE](#) to read more!

Red Clover to the Rescue

-Amber Friedrichsen



If ever there were an animal in trouble with toxic endophyte-infected tall fescue, red clover would likely have been able to help prevent the issue. This legume can remedy vasoconstriction in cattle, and new research suggests it has other superpower-like properties as well. Vasoconstriction is a condition caused by toxic endophytes that grow between tall fescue's cell walls. Affected animals' blood vessels constrict, and they can have difficulty regulating their body temperature, which leads to heat stress in the summer and cold stress in the winter. Jimmy Henning with University of Kentucky (UK) Extension says red clover can help combat these negative consequences.

Click [HERE](#) to read more!

Last week, Josh provided an overview of the 2023 cattle market. While he discussed the challenge of high grain prices, he largely wrote about a general optimism stemming from tighter cattle supplies as we start this new year. Without a doubt, most market fundamentals point to a considerably stronger cattle market across all sectors this year. This article will briefly discuss three questions that will be answered by the markets between now and spring.

THREE QUESTIONS FOR THE 2023 BEEF CATTLE MARKET

BY: KENNY BURDINE

Click [HERE](#) to read more!



APPROPRIATE ALL WEATHER SURFACES FOR LIVESTOCK

-Steve Higgins, Stephanie Mehlhope, Lee Moser, & Sarah Wightman

Many livestock producers would say that mud is a natural part of livestock production. But the creation of mud costs producers money and makes them less competitive. Livestock that walk through mud require more feed for energy but actually eat less because walking in mud requires more effort to get to feed and water. Therefore, mud decreases average daily gains (Table 1). Mud accumulation on the coat increases the amount of energy needed to generate heat in the winter or to keep cool in the summer. Also, it can lower sale prices due to hanging tags. The creation of mud also increases animal stress and leads to a variety of health problems, including protozoan and bacterial infections. It is essential that livestock producers understand that mud hinders cost-efficient livestock production and efforts should be made to limit the creation of mud. This publication explains how mud is created and describes different types of hardened surfaces and pads that agricultural producers should use to reduce mud creation and ultimately increase production efficiency and protect natural resources.

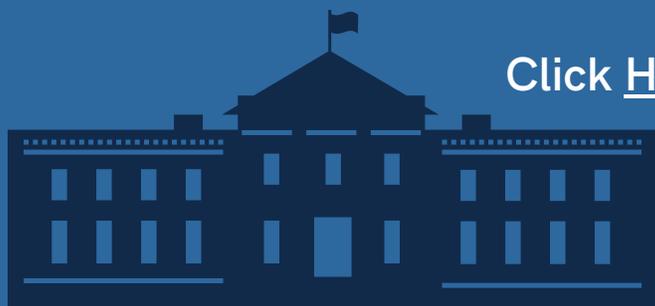
Click [HERE](#) to read more!

AFBF Establishes 2023 Farm Bill Priorities

-Mike Tomko, AFBF Director of Communications

The American Farm Bureau Federation today released its priorities for what may be the most consequential legislation for agriculture in 2023 – renewal of the farm bill. The priorities were identified by a working group of Farm Bureau members and staff from across the country.

Click [HERE](#) to read more!



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RECIPE



Tomato Basil Bruschetta

3 plum tomatoes, chopped
1/3 cup thinly sliced and coarsely chopped onion
2 cloves garlic, minced
1 tablespoon red wine vinegar
6 tablespoons olive oil

1 tablespoon minced fresh basil or 1 teaspoon dried basil
1/2 teaspoon dried oregano
1/4 teaspoon salt
1/8 teaspoon ground pepper
1 pound loaf, whole wheat French bread, cut into 1/2 inch slices

1. Combine tomatoes, onions, garlic, red wine vinegar, 2 tablespoons olive oil, basil, oregano, salt and pepper; set aside.
2. Preheat broiler of oven.
3. Lightly brush both sides of bread slices with remaining olive oil and

arrange on ungreased baking sheet.
4. Place three to four inches from the broiler and heat slices for two to three minutes on each side or until golden brown.
5. Top each slice with tomato mixture, using a

slotted spoon and serve.
Yield: 16, 1/2 inch slices
Nutritional Analysis: 140 calories, 5 g fat, 1 g saturated fat, 0 mg cholesterol, 250 mg sodium, 19 g carbohydrate, 3 g fiber, 0 g sugar, 4 g protein.

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



Wildlife Information

Deer Harvest Among Highest in Recent Years

-Kentucky Department of Fish and Wildlife

FRANKFORT, Ky. (Jan. 26, 2023) — Hunters in Kentucky harvested more white-tailed deer during the 2022-23 season than the season before and posted an overall harvest total rivaling some of the highest on record.

The 144,506 deer taken by hunters from early September through Jan. 16 is the highest total since 2019 and the fourth most taken in a season over the past decade. The 2015-16 season harvest of 155,734 remains the benchmark in Kentucky's modern history. The top five counties by total harvest this past season were Christian, Hardin, Shelby, Breckinridge and Pendleton.

"It was a solid season from start to finish," said Noelle Thompson, deer program coordinator for the Kentucky Department of Fish and Wildlife Resources. "Favorable hunting weather during the 16-day modern gun season in November helped drive the harvest total higher. Average white oak and red oak acorn production also played into hunters' favor."



Click [HERE](#) to read more!

Nuisance Species in Kentucky

-Kentucky Department of Fish and Wildlife

What are nuisance species?

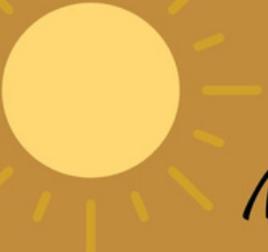
Nuisance species are non-native species (a.k.a. exotic, alien, or non-indigenous) that have moved outside their native range AND threaten native species and interfere with important commercial, agricultural, and recreational activities.

Why do some species become "nuisances"?

Natural "checks and balances" such as predators, parasites, diseases, and competitors do not exist outside of the native ranges of these species creating an environment where they can dominate and become "nuisances." Native species are not used to living with these new species and are not adapted to eat them or compete with them.



Click [HERE](#) to read more!

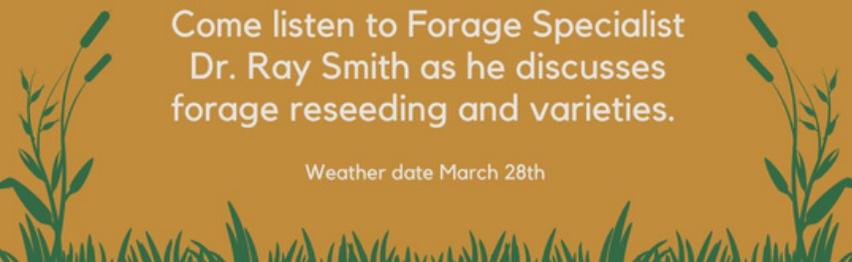


March Beef Improvement Meeting

Tuesday, March 21st, 2023
6:00PM at the Scott County Extension Office

Come listen to Forage Specialist Dr. Ray Smith as he discusses forage reseeding and varieties.

Weather date March 28th



February Events

Monday, February 13th

6:00pm - 8:00pm
Scott County Extension Office, 1130 Cincinnati Rd. Georgetown, Kentucky

RSVP by Wednesday February 8th by calling 502-863-0984

Call the Scott County Extension Office if you have any questions!

Beef Quality Assurance Trainings



REMINDER: If applying to CAIP in the large animal area you must have a BQCA number!



THIRD THURSDAY THING

Every third Thursday of the month, January through November, at 10 a.m. ET

- ~~January 19:~~ USDA Farm and Home Loans | Natural Resource Management
- February 16:** Organic Agriculture
- March 16:** Small Ruminants
- April 20:** Pest Control | NRCS Programs
- May 18:** Aquaculture
- June 15:** Farmers Markets | Juneteenth Celebration
- July 20:** Fencing | Pastured Poultry
- August 17:** Sustainable and Organic Agriculture
- September 21:** Pawpaw
- October 19:** Small Ruminants
- November 16:** Small Farms Conference

Join us in person at the Harold R. Benson Research and Demonstration Farm or online at [YouTube.com/kysuag/live](https://www.youtube.com/kysuag/live)



This institution is an equal opportunity provider.

Private Applicator Pesticide Training

TUESDAY, FEBRUARY 28TH

6PM - 9PM

Scott County Extension Office, 1130 Cincinnati Rd. Georgetown, KY

RSVP by Friday February 24th by calling the Scott County Extension Office at 502-863-0984

Call the Scott County Extension Office if you have any questions!



You're Invited



Please join for an update meeting focused on:
Forage seed, Pasture Management, Fuels, and Feed

The details:

February 15th, 2023

Location: Scott County Extension office
Dinner will be served at 6pm.
Guest Speakers from Growmark, Hallway Feeds, and Corteva - Range & Pasture.



RSVP by Feb. 10th.

Southern States - Georgetown (502) 863-3630

2023 CENTRAL KENTUCKY GRAIN PRODUCERS SEMINAR

Monday, February 27, 2023 ~ 9:00 am — 12:00 pm

Location: Fayette County Extension Office

1140 Harry Sykes Way, Lexington, KY

PLEASE RSVP: (859) 257-5582

LUNCH WILL BE SERVED

CAIP Eligible



Dr. Chad Lee
Grain Crops Specialist

Dr. Jordan Shockley
Agriculture Economics

Dr. Steve Isaacs
Agriculture Economics

For more information and to RSVP, contact Fayette County Extension Office:

Beau Neal

(859) 257-5582

beau.neal@uky.edu



This meeting qualifies for CAIP!



Cooperative Extension Service
Agriculture and Natural Resources
Family and Consumer Sciences
4-H Youth Development
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Educational programs of Kentucky Cooperative Extension serve all people regardless of economic or social status and will not discriminate on the basis of race, color, ethnic origin, national origin, creed, religion, political belief, sex, sexual orientation, gender identity, gender expression, pregnancy, marital status, genetic information, age, veteran status, or physical or mental disability. University of Kentucky, Kentucky State University, U.S. Department of Agriculture, and Kentucky Counties, Cooperating.



Scott County FFA Alumni

Chili Cook-off

Thursday, March 30th
6pm

Hosted at the Scott County Extension Office

\$10 a person

Live Music

Silent Auction

Guest Speakers

All Proceeds supports Great Crossing, Scott County, and Royal Springs FFA Chapters



Kentucky Beef Expo

March 3rd - 5th

At the Kentucky State Fair Grounds!

IN-PERSON

CAIP Eligible

Backgrounding/Stocker Profitability Conference



Kenny Burdine



Greg Halich



Jonathan Shepherd

UK Agricultural Economics is partnering with the Kentucky Beef Network to offer a Backgrounding/Stocker Profitability Conference. This conference is funded by the Kentucky Agricultural Development Fund through the Kentucky Beef Network.

TOPICS

- Understanding the current market environment
- Cost of gain vs value of gain
- Stocker and backgrounding budget scenarios
- Key marketing concepts for margin operations
- Tax and financial management of margin operations
- Livestock Risk Protection Insurance

Registration is \$15/person, RSVP deadline is February 20th. Please RSVP to the Fayette County Extension Office at (859) 257-5582 or beau.neal@uky.edu.

WHEN: Friday - February 24, 2023
9:30 AM - 2:30 PM -lunch provided

WHERE: Fayette County Extension Office
1140 Harry Sykes Way
Lexington, KY 40504

Department of Agricultural Economics
400 Charles E. Barnhart Building
Lexington, KY 40546-0276
(859) 257-5762 | agecon.ca.uky.edu



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



Join us for the 16th annual

Pastures Please!!

Monday, February 6th, 5:30 – 8:00 pm



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

**CAIP
Eligible**

Fayette County Extension Office

1140 Harry Sykes Way, Lexington
Hosted by the UK Cooperative Extension
and UK Ag. Equine Programs

College of Agriculture,
Food and Environment

Program

- 5:30 Refreshments
- 6:00 Pasture Recovery and Rejuvenation, Dr. Ray Smith
- 6:30 Meeting Your Equipment Needs, Dr. Morgan Hayes
- 7:00 Weed Control after a Drought, Dr. Bill Witt



RSVP online using the
QR code or call:
859-257-5582

Thank you to our sponsors:
Central Equipment | Derby State Equipment
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McCauley Feed | Tribute Equine Nutrition

Other Events

Farm Machinery Show, February 15 - 18, at the
Kentucky State Fair Grounds!

Click [HERE](#) to learn more!

Kentucky Fencing School, April 13 at Madison
County!

Click [HERE](#) to learn more!

International Grassland Congress, May 14 - 19 at the
Northern Kentucky Convention Center!

Click [HERE](#) to learn more!

Did you know...

Horses can't throw up?



**CAIP
Eligible**

LEARN MORE!

Gut Health & Colic/Ulcer Prevention

Online Course | Feb 13-24

TheHorsePortal.com/SUS

**CAIP
Eligible**

ALFALFA & STORED FORAGE CONFERENCE

**HAY PRODUCTION, MARKETING
AND MECHANIZATION**

- Increasing Alfalfa Hay Sales to Horse Owners
- Bermudagrass and Alfalfa-A Perfect Combination!
- Options for Hay Mechanization
- Hay Mechanization
- Fall Armyworm Research Study
- Assessing the Nutrient Status of Kentucky Alfalfa Stands
- KDA Hay Contest
- Update on Options for managing thinning alfalfa stands



**FEB.
21
8AM**
CENTRAL TIME

CAVE CITY CONVENTION CENTER

Click Here to
[Register Today!](#)



Kentucky
Forage and
Grassland
Council

FOR MORE INFORMATION, CONTACT KATE AT (513) 470- 8171

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