

THE FARMACY

AUGUST NEWS

UK Martin-Gatton
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Agent Remarks

The month of July has just flown by. I have been busy with programming, farm visits, and school. Some highlights from this past month are going to 4-H camp, the Beef Improvement Meeting at Mr. Robert Hall's farm, and Hook & Cook. These programs were well attended and very educational. I hope to continue to provide more programming like this in the future. There is a ton of area programming coming up this fall. You can find them in the last two pages of this newsletter. If you have any questions about them please reach out to me either by email or here at the office.

The information deadline for CAIP is at the end of this month and is quickly approaching. If you need any educational hours or your BQCA please reach out to me as soon as possible!

State Fair is coming up towards the end of this month. I will be attending and helping this year at the fair. That being said, I will be out of the office and away from my email. If you need to reach me for an urgent matter call the office and I will get to you as soon as possible.

Please stay cool this next month and reach out if you need anything!

Have a great August!



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Agriculture and Natural Resources
 Family and Consumer Sciences
 4-H Youth Development
 Community and Economic Development

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 University of Kentucky, Kentucky State University, U.S. Department of Agriculture, and Kentucky Counties, Cooperating.
 Lexington, KY 40506



An Information System

-Steve Isaacs, UK Agriculture Economics

Recordkeeping is often too narrowly defined and restricted to the financial side of the business. Have to file taxes, have to get loans. Both require some of the same information. The financial records are important for sure. However, they are only one of three overlapping information subsystems needed to manage the business effectively. Rather than thinking of "records" or "recordkeeping," let's think about "information systems" and financial is just one of them.

Click [HERE](#) to read more!



Highlights of the 2022 Kentucky Equine Survey

-Jill Stowe, UK Agriculture Economics

As Kentucky's equine industry navigated significant changes in the past decade, (emerging from the Great Recession in 2008-2009, the global COVID-19 pandemic in 2020-21, and natural disasters in 2021 and 2022), it experienced areas of both growth and contraction. The number of equine and equine operations declined, but income increased. In addition, the total value of equine and equine-related assets in the state was \$27.7 billion in 2022, up more than 18% from 2012.

Click [HERE](#) to read more!



Kentucky State Fair

August 17th - 27th 2023 in Louisville, Kentucky

Click [HERE](#) for the Livestock Show Schedule!

For general information click [HERE](#)!



Forage News

With extended dry weather in many parts of the state there is increased risk of nitrate toxicity in forage stands. Nitrates are natural constituents of all plants.

Under normal conditions, plants take up nitrate through their roots and transport it to the leaves for use in photosynthesis. However, photosynthesis decreases under adverse conditions (e.g., drought; hail, frost, insect damage, or herbicides) and potentially toxic nitrate concentrations can remain in the lower stalks and stems. In addition, heavy nitrogen fertilization provides large amounts of available nitrate for uptake.

Click [HERE](#) to read more!

Forage-Related Disorders in Cattle: Nitrate Poisoning

-Michelle Arnold, Megan Romano, Jeff Lehmkuhler, & Ray Smith



Be Wary of Surface Water Quality

-Amber Friedrichsen, Hay and Forage Grower

Water quantity for livestock is always an issue, but should be “top of mind” with dry weather persisting in parts of KY and across a large part of the country. Grazing livestock that drink from surface water sources may be at risk of toxicity this summer as temperatures rise and water levels fall.

Click [HERE](#) to read more!



Developing a Grazing System for Sheep and Goats

-Rocky Lemus & Kipp Brown, Mississippi State Extension

Small farming operations are becoming more popular as the amount of land available for large livestock enterprises and row crops is reduced by urban sprawl. Small ruminant livestock systems such as sheep and goats fit well with small farm operations. Forages, whether are grazed or hayed, supply the major source of nutrition and a critical component to small farm enterprises to maintain sustainability. Many of these small farm owners are either newcomers to farming or people living in urban areas and see them as “hobby” farms. There is a critical need to educate them on the basic agricultural practices and forage utilization for this type of livestock management.

Click [HERE](#) to read more!



The Risk of Lightning and How Safe to Stay

Tony Edwards National Weather Service Charleston, WV

While fascinating to watch, lightning poses a threat to societies whether it be fires or getting struck. There are millions of lightning flashes each year in the United States alone and in the last 30 years, lightning strikes have caused numerous fatalities as well as life-long injuries. Understanding the dangers of lightning is essential to safeguarding yourself against the potential threat.

How do storms develop and produce lightning?

All storms go through differing stages of growth and development, but mainly form in the early parts of the day when the Sun heats the surface and pockets of air start rising. When they reach a certain point in the atmosphere, cumulus clouds begin to develop. As condensation takes place, ice crystals begin to form and drop in the layers of the atmosphere as they get heavier. The movement of these ice crystals allows them to develop electrification and as the heavier crystals drop, they become negatively charged in the middle and lower part of the clouds. Beneath the clouds, a positive charge develops on the ground creating a connection to the negative charges. Lightning forms as the electrification of the negative and positive charges becomes greater, causing a large spark of electricity to be released that is as hot as 50,000 degrees Fahrenheit.

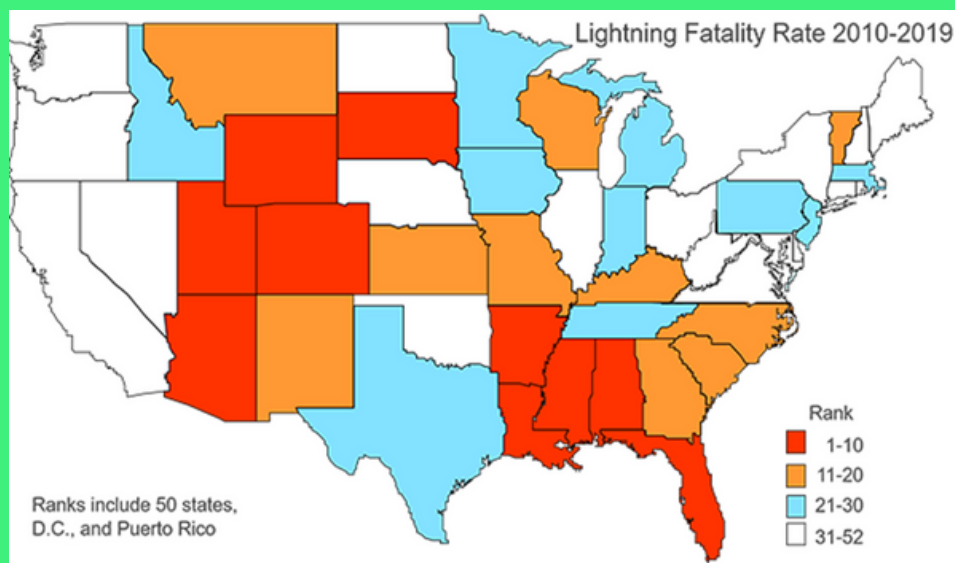
How do I stay safe during a thunderstorm? Here are a few tips to keep in mind:

If you hear thunder, you are likely in an area that will allow you to be struck by lightning. The saying, "When Thunder Roars, Go Indoors" applies to all situations. The delayed reaction of not reaching cover is a catalyst for injuries and even fatalities. If you somehow find yourself in a situation where you cannot reach cover in a vehicle or covered shelter, the following tips apply:

1. Avoid open fields, the top of a hill or a ridge top.
2. Stay away from tall, isolated trees or other tall objects. If you are in a forest, stay near a lower stand of trees.
3. If you are in a group, spread out to avoid the current traveling between group members.
4. If you are camping in an open area, set up camp in a valley, ravine or other low area. Remember, a tent offers NO protection from lightning.
5. Stay away from water, wet items, such as ropes, and metal objects, such as fences and poles. Water and metal do not attract lightning, but they are excellent conductors of electricity. The current from a lightning flash will easily travel for long distances.

Make sure to follow your daily forecasts so you know what to expect for the weather each day. Whether you are working, playing sports, or having fun with family outside, be sure to take precautions and take action as soon as possible to avoid being struck by lightning.

Lightning fatality rate from 2010-2019 U.S.A. ranking
By National Weather Service



AUGUST

RECIPE



Tomato Corn Pesto Pizza

3 plum or Roma tomatoes
¼ teaspoon onion powder
¼ teaspoon freshly ground or seasoned pepper
½ cup basil pesto
1 (14-16 ounce) whole

wheat or regular packaged pre-baked pizza crust, thin crust
¾ cup fresh corn kernels
½ cup grated Parmesan cheese

1 teaspoon honey
4 ounces shredded mozzarella cheese
3 tablespoons fresh whole or torn basil leaves, (optional)

Preheat oven to 450 degrees F. **Slice** tomatoes into ¼ inch slices; **place** tomato slices on paper towels; **sprinkle** with onion powder and pepper; let stand 20 minutes. **Spread** pizza crust with pesto. **Stir** together corn kernels, Parmesan cheese and honey. **Top** pizza with corn mixture, tomato slices and mozzarella cheese. **Place** pizza directly on middle oven rack; **bake**

approximately 12-14 minutes or until cheese is melted and golden. **Remove** from oven and **top** with fresh basil leaves, if desired. Cut into 8 slices.

Yield: 8 servings, 1 slice each

Nutritional Analysis: 290 calories, 13 g fat, 4.5 g saturated fat, 15 mg cholesterol, 590 mg sodium, 29 g carbohydrate, 2 g fiber, 3 g sugar, 14 g protein.



Buying Kentucky Proud is easy. Look for the label at your grocery store, farmers' market, or roadside stand.
<http://plateitup.ca.uky.edu>

Conservation Corner

Here are some ways the Scott County Conservation District can help you!

Reminder: August 30th 2023 is the deadline for CAIP and Next Generation!

Backyard Conservation

Programs Include:

- Plant a Tree - 50% cost-share up to \$100
- Pollinator Plot - 50% cost-share up to \$100
- Rain Barrel Kit - 50% cost-share up to \$25.00
- Garden Cover Crop - Free bags of wheat seed

Scott County Conservation District

100 E Penn Ave (M-F 9:00 – 2:00pm),
502-863-2466, scottcountycd@yahoo.com

Local Cost Share

Programs Include:

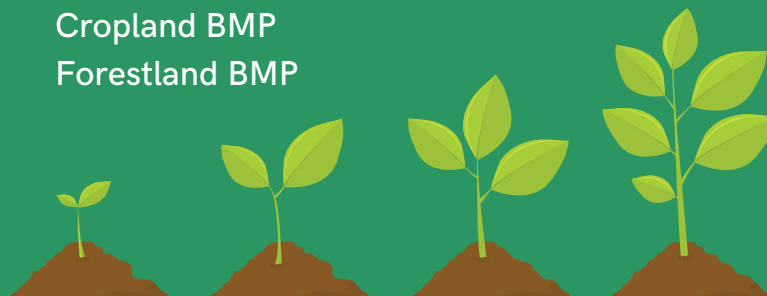
- Gateway, Barn Entrance & Heavy Traffic Corridor Erosion Control Program
- Pipeline and Waterer
- Cover Crop
- Pasture Renovation

State Cost-Share

Applications accepted for 2024 funding until October 30, 2023

4 Areas of Interest:

- Livestock – Animal Feeding Operations (AFO)
- Livestock – Pastureland BMP
- Cropland BMP
- Forestland BMP



As soybean fields in Kentucky approach the R3 (beginning pod) developmental stage, it generally is a time to consider an application of a foliar fungicide to protect against foliar diseases. Rainfall is an important factor to consider when making a foliar fungicide application decision, as high rainfall accumulation is one of the main drivers that can increase the risk of foliar diseases. With recent rain events in some parts of the state, the risk of foliar diseases may have increased. While in other parts of the state that may still be experiencing extreme heat and dry weather, the risk of foliar diseases may be low. Besides rainfall, the risk of foliar diseases also is affected by other factors such as the soybean variety planted and the cropping history in a field.

Foliar Fungicide Considerations for Soybeans

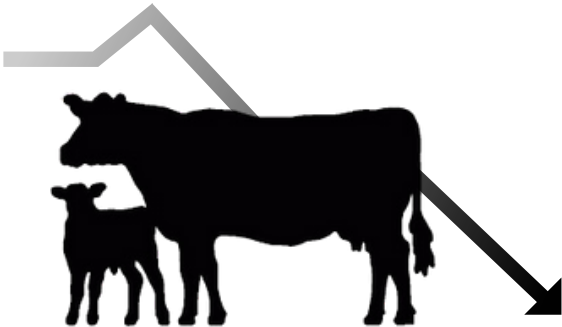
-Carl A Bradley, Plant Pathology Extension Specialist

Click [HERE](#) to read more!



July Cattle Update: Inventory Still Falling, Drought Conditions Improve

-Bernt Nelson, American Farm Bureau



Cattle prices have come a long way in the first half of 2023. In fact, the weighted average market price for a steer this July is 27% higher than it was in July 2022. Drought and high input costs have driven many producers to market animals that would have been held back to grow their herds, and the resulting tighter cattle supplies are pushing retail beef prices to new highs. This Market Intel dives into the current supply and demand situation and provides an outlook on the second half of the year.

Click [HERE](#) to read more!

Wildlife Information

Kentucky Afield Outdoors - Kayak Fishing Tips for the Summer!

Kentucky Department of Fish and Wildlife

The heat of the summer is here and will remain until late September. For many paddlers, the first days of summer mean the start of kayak fishing season and time to get their boats wet for the first time in months. Stream smallmouth bass bite willingly during the hottest stretches of the year. Floating and wading a smallmouth stream is one of the best ways to escape the suffocating heat and humidity of a Kentucky summer. However, if you're a little rusty because you haven't had your boat in the water since last summer, remember these five tips to improve the enjoyment of your summer float trips and put more fish in hand.

Click [HERE](#) to read more!



Managing White-Tailed Deer Problems in Kentucky

-Thomas G. Barnes, Extension Wildlife Specialist

Deer are a valuable natural resource in Kentucky, providing many hours of enjoyment for the public. The white-tailed deer (*Odocoileus virginianus*) is the most sought after big game animal in North America. Whitetails were abundant in our country when European settlers first arrived. By 1900, however, uncontrolled hunting had reduced the U.S. white-tailed deer population to around 300,000. The deer population has since rebounded as a result of strict hunting laws, intensive reestablishment and restoration efforts, and changing habitat to favor deer. Today, it is hard to imagine white-tailed deer populations not being abundant.

Click [HERE](#) to read more!

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.

**CAIP
Eligible**



August Events

An equal opportunity organization

SCOTT COUNTY

How can we serve you?

Take a ten-minute survey to help us develop programs addressing needs in our community.



[go.uky.edu/serveKY](https://www.go.uky.edu/serveKY)



**CAIP
Eligible**

2023 Horses & Horsemen:

Equipment and Facilities for the Small Acreage Horse Owner

Tuesday, September 12 at 5:00pm

RSVP to Mercer County Extension Office: 859-734-4378

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: November 7-Scott County, KY
November 9-Caldwell County, KY

WHERE: Scott County Extension Office
1130 Cincinnati Road
Georgetown, KY 40324

Kentucky Soybean Board Office
1000 Highway 62 West
Princeton, KY 42445



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

Registration DEADLINE: 1 week prior to workshop

ONLINE Registration with Credit Card:
 _____ Georgetown, KY [Register for KY Fencing School in GEORGETOWN](#)
 _____ Princeton, KY [Register for KY Fencing School in PRINCETON](#)



Registration by U.S. Mail: Christi Forsythe
UK Research and Education Center
P.O. Box 469
Princeton, KY 42445

CAIP Eligible

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

Schedule:

5:00—Registration and trade fair
 6:00—Dinner by Mercer County Cattlemen's Association
 6:15—Welcome & Farm Overview by Desmar Stables
 6:30—Tractor and Equipment Safety—Dale Dobson, KDA Farm Safety Program Administrator
 7:00—What to consider in your farm layout, Dr. Bob Coleman
 —Making Good Equipment Decisions, Dr. Morgan Hayes



Location:
Desmar Stables LLC
 at Crockett Springs Farm
 685 Handy Pike
 Harrodsburg, KY 40330



2023 Kentucky Fencing Schools

Grazing Conference

Low Stress Livestock Handling for Serious Graziers

October 31, 2023

Elizabethtown
Hardin County Extension Office
7:30 AM - 3:30 PM CDT

November 1, 2023

Lexington
Fayette County Extension Office
7:30 AM - 3:30 PM EDT



Reducing Livestock Stress in Grazing Systems

Curt Pate, Curt Pate Stockmanship



Fencing for Multi-Species Grazing

Lewis Sapp, Stay-Tuff Fence



Designing Flexible Watering Systems

Jeff Lehmkuhler, University of Kentucky



Designing Livestock Handling Facilities for Existing Structures

Chris McBurney, McBurney Livestock Equipment



Local Producers and Spokesperson Contest



Optimizing Resources with Multi-Species Grazing

Greg Brann, Greg Brann Consulting

For more information please visit KFGC.ORG



STOCKMANSHIP



with Curt Pate

SOUTHERN INDIANA PURDUE AG CENTER
DUBOIS, INDIANA

11371 E. Purdue Farm Rd | Dubois, IN 47527



\$30 person per event

SEPTEMBER 29, 2023
1:00pm - 7:00pm EST
Beef focused program
supper will be served

SEPTEMBER 30, 2023
10:00am - 5:00pm EST
Sheep & Goat focused program
lunch will be served

From Ryegate, MT, Curt Pate uses his personal experience incorporating effective stockmanship principles supports a "for profit" mindset and focuses on highlighting the increased economic benefits of handling stock correctly. In addition, Curt recognizes the growing public scrutiny surrounding livestock production and the impact that improved livestock handling practices create for the sustainability of the cattle industry.

Direct questions to towerj@purdue.edu or 812-678-4427



Register Online at:
IndianaForage.org
IndianaBeef.org
IndianaSheep.com

Mail-in Registration: IBCA 8425 Keystone Crossing, Suite 240 Indianapolis, IN 46240

Full Name: _____ IBCA Member (Yes or No) _____ ISA member (Yes or No) _____
 Email: _____ Registration Type: (Day 1, Day 2, or Both) _____
 Phone Number: _____ Payment Type: Credit Card or Check \$30/day/person _____
 Address: _____ Credit Card Type (Visa, Mastercard, Discover) _____
 City: _____ Total enclosed _____ Credit Card # _____
 State: _____ Zip: _____ Expiration Date ____/____/____ CV Code _____

Please make checks payable to **Indiana Beef Cattle Association**
8425 Keystone Crossing, Suite 240 Indianapolis, IN 46240
If accommodations are needed please contact 812-678-4427.
Registration closes Sept 21st

BEEF BASH 2023

MAKE PLANS TO JOIN US!

DATE: Thursday, September 21, 2023
WHERE: University of Kentucky
C. Oran Little Research Center
1051 Midway Rd.
Versailles, KY 40383

TIME: Registration starts at 1:30 PM EST
Programs start at 2:00 PM EST

VISIT WITH:
COMMERCIAL EXHIBITORS
EDUCATIONAL EXHIBITS &
DEMONSTRATIONS
UK PERSONNEL & ADMINISTRATORS
KCA LEADERSHIP & STAFF

Tickets are \$15 and includes meal. To Pre-register, go to Eventbrite.com and search Beef Bash 2023



For More Information Visit:
<https://www.facebook.com/KyBeefIRM/>

2023 Kentucky Beginning Grazing School

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

When: September 27-28, 2023
Where: Woodford County Extension Office
184 Beasley Drive, Versailles, KY 40383

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

Program Registration: DEADLINE is September 22, 2023

Online Registration with CREDIT CARD AT:
<https://www.eventbrite.com/e/2023-kentucky-beginning-grazing-school-fall-tickets-666511101647?aff=oddtcreator>

Registration by U.S. Mail with CHECK:

Christi Forsythe
UK Research and Education Center
348 University Drive, Princeton, KY 42445

Name: _____
Street: _____
City: _____
State: _____ Zip Code: _____
Cell Phone: _____
Email: _____

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

Please make checks payable to **KFGC**



Cattle Behavior and Handling with Dr. Temple Grandin



Friday, September 22, 2023
6:00pm
Fayette County
Extension Office
Lexington, KY

Cost: \$50.00 per person (includes dinner and talk)
Reservations for tickets will begin on August 7, 2023.
Limit of 4 tickets per purchaser.

**CAIP
Eligible**

On August 7th, please contact Beau Neal to reserve tickets and
to receive instructions on how to submit your payment.
Tickets must be purchased prior to the event. They will *not* be available for purchase at the door.

Contact Beau Neal at beau.neal@uky.edu or (859) 257-5582.

Sponsors:



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University of Kentucky, Kentucky State University, UK Department of Agriculture, and Kentucky Counties Cooperating
Lexington, KY 40546



Disabilities
accommodated
with prior notification.