

News Around the Knobs

Agriculture and Natural Resources Newsletter



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View from the field

By Nathan Rider

The Kentucky State Fair is all packed up and a second cutting of hay is headed to the barn. I hope your summer is going well. Cooler days are on the way! It is a busy year at Bullitt County Cooperative Extension and we have lots more to offer before the year's end. If you missed our classes on growing mushrooms, making syrup, or improving your herds this spring, then keep your eyes open for announcements on the website events page, Facebook, or newsletters. There's a great lineup for cattle producers, beginning farmers, and more!

Most importantly, if you read anything, **please note the quick survey ad on the back of this page. Tell us how we can serve you.** This 10-minute survey will help us develop programs addressing needs in our community. We are aiming for 1,000 responses and we need yours! Please photocopy the ad and share it with your churches, clubs, scout troops, friends and family- yes, even if they also got it in a newsletter. You can stop by the office for more copies to share too.

One more thought - while kids are headed back to school, it's testing season on the farm too. Lean on us to help you test your soil and hay this fall. Bring in about 2 cups of soil for each area you'd like to analyze (read on for more detailed instructions). If you took advantage of the great haying weather this summer I can help you get that tested for nutrients or moisture content to prevent a barn fire. Call or email to schedule a farm visit....and remember the survey!

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Cooperative Extension Service

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

MARTIN-GATTON COLLEGE OF AGRICULTURE, FOOD AND ENVIRONMENT

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, physical or mental disability or reprisal or retaliation for prior civil rights activity. Reasonable accommodation of disability may be available with prior notice. Program information may be made available in languages other than English. University of Kentucky, Kentucky State University, U.S. Department of Agriculture, and Kentucky Counties, Cooperating. Lexington, KY 40506



KENTUCKY  
COOPERATIVE EXTENSION



- Kentucky resident?
- At least 18 years old?
- Care about your community?



HOW CAN WE serve you??

Take our ten-minute survey to help us develop programs addressing needs in your community. Scan the code above or visit:

go.uky.edu/serveKY

Cooperative Extension Service

Agriculture and Natural Resources
Family and Consumer Sciences
4-H Youth Development
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Disabilities accommodated with prior notification.

Contact your local Extension Office for a paper copy of the survey.



Make a Plan for your Farm's Future

Join us this month for an Estate Planning and Succession Planning class, a part of a series designed for beginners in farming and landownership. Whether you have less than 10 years of experience or need direction after many years, this class is for you.

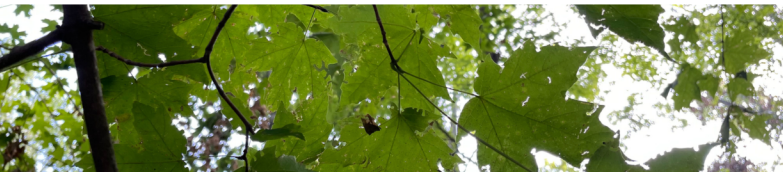
Speakers:

- Dr. Nichole Huff: Professor of Family Finance and Resource Management at UK, specializing in financial and mental wellbeing.
- Dr. Steve Isaacs: Extension farm management specialist with 23 years of experience at UK.

Plan for the future of your land, estate, and businesses. Open to landowners, farmers, market gardeners, hobby farmers, and aspiring producers in Spencer, Bullitt, and surrounding counties. Don't worry if you missed the first classes; you're welcome to join any upcoming sessions!

Register Online: <https://bit.ly/FarmEstatePlanningUKY>

- **Class 7 - Sept 26 @ 6PM at Spencer County Cooperative Extension, 100 Oak Tree Way, Taylorsville, KY - Estate Planning and Succession Planning**
- Class 8 - Oct 24 @ 6PM in Bullitt County
- Class 9 - Nov 28 @ 6PM in Spencer County
- Class 10 - Jan 23 @ 6PM in Bullitt County



Sweeten up your Winter with Maple Syrup

Join us for an informative and hands-on class that will take you through the basics of maple syrup production on Nov 7 at 5:30 PM at Bullitt County Cooperative Extension. You will **learn to tap trees, collect maple sap, boil, bottle, and store syrup.** We will practice actually tapping maples!

Don't miss out on this opportunity to tap into the world of maple syrup production. Cost is \$10 at the door and you go home with a single tree tapping kit and the knowledge to try it out! **Register here:** <https://bit.ly/BullittMaple2023>

If you attended this class last year you are welcome to attend again, refresh your memory, and share your helpful tips. If you successfully tapped trees last winter, send photos, questions, and tips from your experience to nathan.rider@uky.edu. We'd Love to hear about it!



Watch for Bird Watching Classes This Fall

Birding in the Bluegrass: Birdwatching Walk at 6PM on Oct 3 at the Trimble County Extension Office in Bedford, KY. We will review some of the basics of birdwatching from our class this spring and then head outside to find some birds. Remember to bring binoculars if you have them and a bottle of water. And please wear a hat, sunscreen, and bug spray, and comfortable shoes for walking in various bird habitats. Kids accompanied by an adult are welcome!

Birding in Bullitt County: Introduction to Birdwatching at 6PM on Oct 5, 2023 at Bullitt County Cooperative Extension



County Veterinarian Day

Finding a veterinarian is hard. Getting an affordable farm visit in is even harder! Bullitt County Extension and Cedar Creek Beef Company are working together to bring Dr. Alex Hagan of Shelby Veterinary Clinic to Bullitt County on **Oct 20, 2023.**

We can accommodate approx. 25 head of livestock per hour using Cedar Creek's excellent handling facilities for easy unloading, handling, and loading at 936 Forest Hill Road, Shepherdsville, KY.

You only pay \$25/hr. plus usual charges per head for services performed. Services include deworming, preg. checks, castration, floating teeth, hoof checks, and more. All livestock welcome.

Call Bullitt County Cooperative Extension to reserve a time or express interest at 502-543-2257.



Support Wildlife & Pollinators in your Fall Garden

As summer fades into autumn, it's the perfect time to nurture your garden while also aiding local wildlife and vital pollinators. These simple steps will ensure your garden thrives and becomes a haven for creatures of all sizes.

- 1. Embrace Fallen Leaves:** Don't rush to clear away fallen leaves. Consider leaving a portion of them in place to provide shelter for insects and nutrients for your soil as they decompose.
- 2. Plant for Pollinators:** Add late-blooming native plants like asters and goldenrods to extend the food supply for bees and butterflies. Add plants with seed heads that last like coneflowers to feed birds into the winter.
- 3. Prune Mindfully:** When trimming back, leave hollow stems for nesting bees and birds and some debris for overwintering insects. A clean garden is a harsh environment.
- 4. Provide Food and Water:** Set up bird feeders with seeds, nuts, and suet, along with a bird bath for fresh water.
- 5. Build Brush Piles:** Gather fallen branches to create small brush piles, offering cover for small wildlife.
- 6. Plan for Spring:** Before it gets too cold, plant native bulbs like crocuses and trout lilies to nourish emerging pollinators and fall blooming native perennials to keep the food coming all season.



By following these steps, your fall garden care becomes a gift to nature, nurturing plants, wildlife, and pollinators alike.



Equine is for All

Kentucky middle and high school students of all backgrounds are invited to attend the first-annual "Equine is for All" event on Sat, **Nov 11 from 10:00 AM to 4:00 PM at the Spy Coast Equine Education Center.** Attendees and their families will learn more about the equine industry, equine educational programs and the variety of career paths throughout the equine industry. All experience levels are encouraged to register. No horse handling experience is needed to participate.

This event is organized by the UK Martin-Gatton College of Agriculture, Food and Environment Office of Diversity, UK Ag Equine Programs, UK MANRRS and Frankie's Corner Little Thoroughbred Crusade.

Registration opened August 1st and will close October 20th. If you have any questions, reach out to Mia Farrell, antomia.farrell@uky.edu.

Community Supported Agriculture

CSA offers you the chance to connect & subscribe to your local farms and farmers – so you can have fresh, healthy, seasonal food weekly, biweekly, or monthly.

Join KDA this Sept 18th-22nd to explore CSA offerings from partner farms and find more local food opportunities across Kentucky! bit.ly/CSAinKYonFB

Find nearby CSA farms by visiting the CSA Directory: bit.ly/KYproudCSA





Kentucky State Fair 2023

Congratulations on your exceptional entries at the 2023 Kentucky State Fair! Your dedication and expertise were on full display, making this year's fair a remarkable showcase of our farming community's talents.

I enjoyed watching dairy, beef, and goat shows this year, and checking out the incredible display of vegetables, fruits, nuts, and honey. I also love checking in on the quilts, canned goods, and breads!

Your commitment to excellence, honing your skills, and preserving our agricultural heritage are truly inspiring. If you have any questions about getting involved with exhibiting in the fair next year, please give us a call or email. There is always more room to show off your best farm products!



4-H Dairy Club

In July, the Bullitt County 4-H Dairy Club went to the three day Casey County Fair and District Show. Club members participated in skill-building clinics where they learned to administer shots, draw blood, tie knots, and dehorn calves! In August, members of the club showed cattle at the KY State Fair and even won the coveted Dairy Herdsman Special Award for the cleanliness of their area, appearance of their displays and animals, and friendliness towards guests! Congratulations! If you or someone you know is interested in joining the club, please email Bullitt County 4-H Agent Tori at t.carter@uky.edu



Sample Your Soil

Before the ground freezes, start thinking about sampling your soil for fertility analysis. Soil fertility analysis is FREE for any Bullitt County resident, and sampling now will allow plenty of time to follow recommendations before the spring. Whether you are a backyard gardener, hobby farmer, or commercial producer, sampling soil in your gardens, fields, and pastures can save you time and money.



Watch How to Sample Soil...



...on your farm



...in your garden

Frost Flower

Once it gets a little cooler, keep an eye out for one of winter's hidden gems - frost flowers. These delicate ice formations are a rare and mesmerizing sight, often overlooked in our busy lives. Frost flowers are exquisite ice formations that occur when the air is freezing, but the ground remains relatively warm. Moisture from plant stems is drawn out and freezes upon contact with the cold air, resulting in petal-like structures that look like flowers.

Frost flowers can be found in open fields, and along the edges of ponds and forests. Look out for frostweed (*Verbesina virginica*) now and remember its location so you can find it after the foliage dies back. On the morning of the first frost, check those spots in the early morning hours when temperatures are at their lowest. These ephemeral natural wonders are a reminder of beauty and fragility and like a snowflake, each frost flower is a unique masterpiece. So, bundle up, grab your camera, and take a frosty walk this fall! Share your frost flower sightings with us to celebrate the changing seasons.



University of Kentucky presents 2023 Fall Crop Protection Webinar Series



Dr. Kiersten A. Wise
Webinar #1:
November 2, 2023



Dr. Travis Legleiter
Webinar #3:
November 16, 2023



Dr. Carl Bradley
Webinar #2:
November 9, 2023



Dr. Raul Villanueva
Webinar #4:
November 30, 2023



Join UK's 2023 Fall Crop Protection Webinar Series starting Nov. 2. Explore field crop protection in four webinars hosted by the Martin-Gatton College of Agriculture, Food and Environment via the Southern Integrated Pest Management Center. Earn credits for Kentucky pesticide applicators and Certified Crop Advisors. Open to all, preregistration is required. Thursdays at 10 a.m. EST on Zoom, for participants inside and outside Kentucky. RSVP and More info: <https://bit.ly/UKYgrainsFall23>

Small and Backyard Flocks Extension Webinars:

Respiratory Issues with Poultry

- Tue, Oct 3, 2023 @ 3:00 PM

Designing a Small Flock Poultry House

- Tue, Nov 7, 2023 @ 3:00 PM

Managing a Poultry Flock on Pasture

- Tue, Dec 5, 2023 @ 3:00 PM

<https://bit.ly/UKYflockEvents>



Bullitt County Extension Horticulture

Community Seed Exchange

**Saturday,
October 28th
10a - 2p**

Join us for a communal gathering and seed exchange! Bring your vegetable, native, annual, and perennial seeds to give away or trade with others. All garden enthusiasts are welcome. To reserve a table for this event, call 502-543-2257.

Address: 384 Halls Lane, Shepherdsville, KY 40165



Contact Us:

lorilee.kunze@uky.edu

[facebook.com/BullittCounty
ExtensionHorticulture](https://facebook.com/BullittCountyExtensionHorticulture)

Soil Conservation Updates



Bullitt County Soil Conservation District State Cost Share Program

- Prioritizes animal waste, water quality, and pollution issues.
- Offers cost share rates up to 75% of practice installation costs, capped at \$20K.
- Accepts year-round applications, with annual approvals usually in the fall.
- Next funding cycle deadline: Oct. 13, 2023.
- Approval required before project initiation.
- Contact Soil Conservation for more info: 502-538-0628.
- Visit <https://bit.ly/StateCostshareKY> for additional resources.

County Agriculture Investment Program

If you were approved for the County Agriculture Investment Program (CAIP) in 2022, the deadline to turn in all completed paperwork and the receipts for reimbursement is Oct 20, 2023. **This is a firm deadline.** Questions? Contact Vickie Porter at Bullitt County Soil Conservation District at 502-538-0628.

If you need to complete your educational requirement or get the paperwork signed by Nathan Rider, County ANR Agent, please contact him at 502-543-2257 or nathan.rider@uky.edu.

Interested in applying next year? CAIP provides cost share assistance for practices that will help generate farm income, add value to products and diversify agricultural operations. More info: <https://bit.ly/CAIP23>

Backyard Conservation Program

Bullitt County Soil Conservation District has funds available for Bullitt County landowners who are interested in doing backyard conservation. There are 3 areas of interest to choose from:

- Backyard Habitat
- Raised Garden Beds
- Pollinator Garden/Monarch Waystation

Applicants may choose the one which best suits their interests. Approved applications will be reimbursed up to \$125 for qualified expenses.

Applications will be accepted as long as funds are available, or until March 15, 2024.

More info: <https://bit.ly/BCCDlocalcostshare>

BULLITT COUNTY EVENTS

BC Cattlemen's Association Monthly Meeting: Join local beef producers every second Tuesday of the month to learn new techniques in herd management and earn educational credits to meet KY Ag Development Fund and Beef Quality and Care Assurance requirements. All are welcome.

- **Date and Time:** Second Tuesdays at 7:00 PM
 - **Sept 12, 2023** - Dr. Amanda Gumbert on Cow Pond Bank Maintenance, Riparian Buffers, & Water Quality
 - **Oct 10, 2023** - Dr. Katie VanValin on Cattle Nutrition and Feeding Distillery Waste Products
 - **Nov 14, 2023** - Dr. Steve Higgins on Providing Water for Beef Cattle in Rotational Grazing Systems
 - **Dec 12, 2023** - Dr. Greg Halich on Winter Feeding Strategies
- **Location:** Bullitt County Extension, 384 Halls Lane, Shepherdsville, KY

Beginning Producer Series: Open to landowners, farmers, gardeners, and aspiring producers in Spencer, Bullitt, and nearby counties. Missed the earlier classes? No problem; join any upcoming sessions!

- **Date and Time:** Fourth Tuesdays at 6:00 PM
 - **Sept 26, 2023** - Estate Planning and Succession Planning - Spencer County Cooperative Extension
 - **Oct 24, 2023** - Topic TBD - Bullitt County
 - **Nov 28, 2023** - Topic TBD - Spencer County
 - **January 23, 2023** - Topic TBD - Bullitt County
- **Location:** Bullitt County Extension, 384 Halls Lane, Shepherdsville, KY
- **RSVP:** <https://bit.ly/FarmEstatePlanningUKY> or call 502-543-2257

4-H Event - Animal Explorer Club (Ages 4-8): Contact 4-H agents for more details on this and upcoming events.

- **Date and Time:** Sept 19, 2023, from 6:30 PM - 7:30 PM
- **Location:** Bullitt County Extension, 384 Halls Lane, Shepherdsville, KY

Horticulture Event - Cooking with Fall Vegetables: Learn how to harvest, store, and cook with fall vegetables. Cooking demonstration and recipe tasting with Plate it Up KY Proud recipe will be provided.

- **Date and Time:** Fri, Sept 22, 2023, at 6:00 PM
- **Location:** Bullitt County Extension, 384 Halls Lane, Shepherdsville, KY
- **RSVP:** Call 502-543-2257

FCS Event - Savor the Flavor: Join us for a lesson on various spices and how to incorporate them into your favorite dishes! Learn how to add flavor and depth to your cooking with the use of spices. Please RSVP by Sept 22nd to secure your spot for this flavorful event. Don't miss out!

- **Date and Time:** Mon, Sept 25, 2023, 1:30 PM - 2:30 PM
- **Location:** Bullitt County Extension, 384 Halls Lane, Shepherdsville, KY
- **RSVP:** Call 502-543-2257

County Veterinarian Day: See article above for more details

- **Date and Time:** Oct 20, 2023, All Day
- **Location:** 936 Forest Hill Road, Shepherdsville, KY
- **RSVP:** Call 502-543-2257 to reserve a time or express interest

Community Seed Exchange: Save the date and join us for a communal gathering and seed exchange. Bring your vegetable, annual, and perennial seeds to give away or trade with others. All garden enthusiasts are welcome.

- **Date and Time:** Oct 28, 2023, 10:00 AM
- **Location:** Bullitt County Extension, 384 Halls Lane, Shepherdsville, KY

Introduction to Backyard Maple Syrup Production

- **Date and Time:** Nov 7, 2023, at 5:30 PM
- **Location:** Bullitt County Extension, 384 Halls Lane, Shepherdsville, KY
- **Cost:** \$10 at the door
- **RSVP:** <https://bit.ly/BullittMaple2023>

LAST CHANCE FOR FARMERS MARKETS!

- **Mt. Washington Farmers Market:** Wed: 4:00 PM – 7:00 PM & Sat: 8:00 AM – 12:00 PM through Sept 30
 - **Location:** 300 Snapp St. Mt. Washington, KY
- **Shepherdsville Farmers Market:** Sat: 9:00 AM – 1:00 PM through Sept 23
 - **Location:** 170 W Joe B Hall Ave, Shepherdsville, KY
- **Lazy Daisy Sunday Farmers Market at the Turnaround: Sept 10, Oct 8, & Nov 12**
 - **Location:** 11980 S Preston Hwy Lebanon Junction, KY
 - Some of the proceeds of this event go towards the Turnaround Resource Center to help make Christmas boxes for kids. Call 502-543-8656 for more info.

Check out more local events at:

- Bullitt County Cooperative Extension: <https://bit.ly/BullittCountyExtEvents>
- Bernheim Arboretum and Research Forest: <https://bit.ly/BernheimEvents>
- Jefferson Memorial Forest/Wilderness Louisville Events: <https://bit.ly/WildLouEvents>
- Bullitt County Tourism: <https://travelbullitt.org/local-events-info/>
- Bullitt County Chamber of Commerce: <https://bit.ly/BullittChamberEvents>



REGIONAL & ONLINE EVENTS

Organic Association of Kentucky - CSA Production, Packing and Planning: Join this OAK Farmer Field Day to learn strategies for satisfying customer needs while building farm systems of efficiency, profitability, and environmental stewardship. Visit two acres of produce, tended with minimal-till practices, broad crop diversity, intentional crop rotations, and cover crop use, and an array of tunnels for covered production. See a new packshed designed for efficient CSA packing and produce storage.

- **Date and Time:** Sept 19, 2023, 1:00 PM - 4:00 PM ET
- **Location:** Rains and Sun Hilltop Farm, Independence, KY
- **RSVP:** <https://bit.ly/OAKFieldDays>
-

University of Kentucky Pregnancy Diagnosis and AI School: Each day will begin with a classroom portion followed by application on live animals.

- **Date and Time:** Wed, Oct 11, 2023, 10:00 AM - 4:00 PM EDT
- **Location:** C. Oran Little Research Farm Beef Unit, 4410 Frankfort Rd, Versailles, KY
- **RSVP:** bit.ly/23pregdiagschool

Beef Bash 2023: UK and the KY Cattleman's Association invite regional producers to Beef Bash to showcase research and Extension work to producers as well as showcase industry partners.

- **Date and Time:** Thurs, Sept 21, 2023, at 1:00 PM
- **Location:** 1051 Midway Rd, Versailles, KY
- **RSVP:** <https://bit.ly/beefbash2023>

2023 Horses & Horsemen Farm and Facilities Expo: Equipment and facilities for the small acreage horse owner! UK Cooperative Extension brings the 2023 Horses & Horsemen Farm and Facilities event to DesMar Stables in Harrodsburg, KY. Attendees can learn more about small acreage farm equipment, safety, as well as farm layout and design.

- **Date and Time:** Sept 12, 2023
- **Location:** DesMar Stables, Harrodsburg, KY
- **RSVP:** <https://bit.ly/UKYstateEvents>

Hemp Educational Sessions & Field Day: The hemp production community is invited to educational sessions, series, and field tours. Morning grain series and afternoon educational sessions are followed by field tours. Pre-registration is required.

- **Date and Time:** Sept 12, 2023
- **Location:** Pirri Equine Center, University of Kentucky North Farm, Lexington, KY
- **RSVP:** <https://bit.ly/UKYstateEvents>

2023 Kentucky Fall Beginning Grazing School: This event promises an immersive learning experience for livestock producers, focusing on the crucial role of soils in successful grazing management. The program enhances profitability through hands-on activities and classroom instruction, with emphasis on ruminants: beef, dairy, sheep, and goats.

- **Date and Time:** Wed, Sept 27, 2023-Thurs Sept 28, 2023
- **Location:** Woodford County Cooperative Extension Office, 184 Beasley Rd, Versailles, KY
- **RSVP:** <https://bit.ly/UKYstateEvents>

Kentucky Signature Industries Career Fair: Highlighting two of the state's most iconic industries, equine and bourbon - the career fairs are open to any college student in Kentucky with an interest in related industries.

- **Date and Time:** Sept 28, 2023, 2:00 PM - 5:00 PM
- **Location:** Gatton Student Center Ballrooms, University of Kentucky
- **RSVP:** <https://bit.ly/UKYstateEvents>

Eastern Kentucky KFGC Field Day: Join the Eastern Region Kentucky Forage and Grassland Council Field Day for a tour with various topics, including multi-species grazing systems, novel tall fescue to reduce toxicity, native grasses for summer production, mineland reclamation using bale feeding, annual lespedeza and crabgrass, multiflora rose and blackberry as high-quality pasture for goats and sheep, composting bedding and on-farm mortalities, cottonwoods for fast-growing shade, direct-to-consumer marketing, and more.

- **Date and Time:** Oct 3, 2023, at 4:30 PM
- **Location:** Old Homeplace Farm, 9876 North Hwy 11, Manchester, KY
- **RSVP:** <https://bit.ly/Homeplace23>

Experience Equine Day: a full day-long experience meant to immerse future wildcats in the Lexington equine industry and share more information on admissions, curriculum, student life, careers, and more with UK's Equine Science and Management program.

- **Date:** Oct 20, 2023 (All day)
- **RSVP:** <https://bit.ly/UKYstateEvents>

KY Grazing: Low Stress Livestock Handling for Serious Graziers: Reduce livestock stress in grazing systems, improve multi-species fencing, design flexible watering systems, and design livestock handling systems. This meeting is a cooperative effort of the Kentucky Forage and Grassland Council and UK Cooperative Extension.

- **Date and Time:** Wed, Nov 1, 2023, 7:30 AM - 3:30 PM EDT
- **Location:** Fayette County Extension Office, 1140 Harry Sykes Way, Lexington, KY
- **RSVP:** <https://bit.ly/GrazingConferenceEast23>

BULLITT COUNTY COOPERATIVE
EXTENSION SERVICE

FALL ARTS FESTIVAL

Join the fun at the Bullitt County Cooperative Extension Service Pavilion for a fun afternoon of the Arts! Enjoy local music, dance performances, vendors and more!

Saturday, September 23, 2023

10am - 4pm

Call: (502)543-2257 or email:

brandon.hatfield@uky.edu

for more information!

384 HALLS LN. SHEPHERDSVILLE, K 40165



KENTUCKY WOOD EXPO

September 15 & 16, 2023

Make plans to participate in the 35th Kentucky Wood Expo, the two-day event is designed to accent the forest products industry. The show will attract loggers, sawmill and pallet operators, manufacturers of forest products and related machinery, retailers and wholesalers, and consumers of wood products.

Outdoor & Indoor Exhibits
Equipment Demonstrations
Lumberjack & Logging Contests
Chain Saw Carving ~ Forestry Education
Wood Crafts

Masterson Station Park,
Lexington, KY

kywoodexpo.com | 502-695-3979

Email: michele@kfia.org



Sponsored by:
Kentucky Forest Industries Association

Kentuckiana Agribusiness Leadership Academy

Program Highlights

- **February:** Overnight Kickoff at Gen. Butler State Park to build Group Dynamics
- **March:** Key Organizations Impacting Kentucky Agriculture
- **April:** Economic Impact of Agriculture and Food Systems Industry in Louisville Metro and Kentucky
- **May:** Impact of State and Federal Policy on Agriculture
- **June:** International Trade Impact
- **July:** Public Discourse and Conflict Resolution
- **August:** Economic Impact of the Distilling Industry
- **September:** Economic Impact of the Convention and Tourism Industry
- **October:** The Role of Finance and Credit in Agribusiness
- **November:** Graduation Luncheon

Mission: To recognize, develop and empower early-career agribusiness and food systems professionals and others for effective leadership in their organization and community.

Applications are accepted online only at:

https://uky.az1.qualtrics.com/jfe/form/SV_9o1ehm3WpFkC000

Or use the QR Code below to apply with your mobile device



More Events Listed Here: bit.ly/KYsheepGoatEvents

KY SMALL RUMINANT

Field Day

SEPT 16th 2023



Speakers

SHAWN HARPER

DR. JIMMY HENNING

TAYLOR GRAVES

MATT HAMILTON

JASON P'POOLE



Marion County Fairgrounds
593 Fairgrounds Rd, Lebanon, KY

\$10 ticket

www.kysheepandgoat.org/small-ruminant-field-day



Central Kentucky Small Ruminant Association

MarketReady Dairy Presents

Small Ruminant PRODUCER TRAINING

MarketReady educates producers interested in expanding their business and products into wholesale, retail, and restaurant markets. Join us for this virtual training opportunity made possible by the Southeast Dairy Business Innovation Initiative.

Hosted by the MarketReady Dairy Producer Training Program and the Kentucky Sheep and Goat Development Office

DATES:

September 7th 7:00-8:30 PM
September 14th 7:00-8:30 PM

REGISTRATION:

<https://marketready.uky.edu/events>

MORE CONTACT INFO:

Carnille Dant
carnille.dant@uky.edu

We are offering 2 virtual training opportunities for our core MarketReady sessions. These will introduce key concepts for marketing to wholesale channels.

*PLEASE REGISTER FOR ONLY ONE TRAINING SINCE THEY BOTH WILL COVER THE SAME MATERIAL

MarketReady™



Discrimination Financial Assistance Program

\$2.2B in funding is available to farmers and ranchers who experienced discrimination by USDA in USDA Farm Loan Programs prior to January 1, 2021.

For more information:

1-800-721-0970 or www.22007apply.gov

Application deadline:

October 31, 2023

**The application is free*



follow on social media



@22007apply



Test Your Hay

If you would like hay that you produced or purchased tested for nutrition or moisture content, please contact us at 502-543-2257 or nathan.rider@uky.edu



Thursday, September 21 | 1:00 - 8:00 PM
UK Oran C. Little Research Farm
1051 Midway Road Versailles, KY



- Growing list of 40+ industry exhibitors
- Farm tours & presentations from USDA Researchers, UK Extension Faculty, Meat Science Researchers
- Updates on research & education facilities
- Dinner prepared by Woodford Co. Cattlemen's Association

To register, search "Beef Bash" at [eventbrite.com](https://www.eventbrite.com)

Questions? Contact Tyler Purvis, UK Beef Extension, tapu228@uky.edu



PROUDLY SUPPORTING THE LARGEST BEEF PRODUCING STATE EAST OF THE MISSISSIPPI RIVER

SAVE THE DATE!

Registration opens September 1st!

2023 KY ANNUAL PRODUCER CONFERENCE

www.kysheepandgoat.org

Don't Miss Keynote Speaker:
Dr. Braden Campbell,
The Ohio State University,
Assistant Professor



October 14, 2023
Boyle County Extension Office

University of Kentucky
College of Agriculture, Food and Environment

KENTUCKY STATE UNIVERSITY
College of Agriculture, Community, and the Sciences

SEILER
GEOSPATIAL

KENTUCKY STATE WILDLIFE

SCAN ME

HABITAT MANAGEMENT SYMPOSIUM

October 2-4, 2023
Harold R. Benson Research and Demonstration Farm
Frankfort, Kentucky

Taking Soil Test Samples

W.O. Thom, G.J. Schwab, L.W. Murdock, and F.J. Sikora

The most important part of making fertilizer recommendations is collecting a good, representative soil sample. Soil test results and fertilizer recommendations are based solely on the few ounces of soil submitted to the laboratory for analysis. These few ounces can represent several million pounds of soil in the field. If this sample does not reflect actual soil conditions, the results can be misleading and lead to costly over- or under-fertilization. It is necessary to make sure that the soil sample sent to the laboratory accurately represents the area sampled.

Sample Timing

Soil samples can be collected through much of the year, although fall (September to December) or spring (February to April) are the best times. Fall sampling will often result in a faster return of results and recommendations. Fall sampling will also allow the grower time to have the fertilizer applied well before planting the next crop. However, fall sampling results in lower pH and soil test K levels when conditions are dry. In either case, a field should always be sampled the same time of the year in order to make historical comparisons.

Most fields should be sampled every three to four years. High-value crops, such as tobacco, commercial horticultural crops, alfalfa, red clover, and corn silage, should be sampled annually so that plant nutrient levels can be monitored more closely. Application of manure can change soil test phosphorus, potassium, and zinc levels dramatically, so sampling manured fields each year is also recommended.

Tools You Need

A soil probe, auger, garden trowel, or a spade and knife are all the tools you need to take the individual cores that will make up the “field” sample (Figure 1). You will also need a clean, dry, plastic bucket to collect and mix the sample cores. Be sure not to use galvanized or rubber buckets because they will contaminate the sample with zinc. Soil sample boxes or bags and information forms for submitting samples are available at all county Extension offices.

Collecting Field Crop Samples

An individual sample should represent no more than 20 acres except when soils, past management, and cropping history are quite uniform. The most representative sample can be obtained from a large field by sampling smaller areas on the basis of soil type, cropping history, erosion, or past man-

agement practices (Figure 2). For example, a portion of a field may have a history of manure application or tobacco production while the other part does not. Phosphorus and potassium levels will likely be higher in these areas, causing the rest of the field to be under-fertilized if the field is sampled as one



Figure 1. A soil probe, auger, or spade and knife should be used in sampling soils. The spade sample must be trimmed as shown.

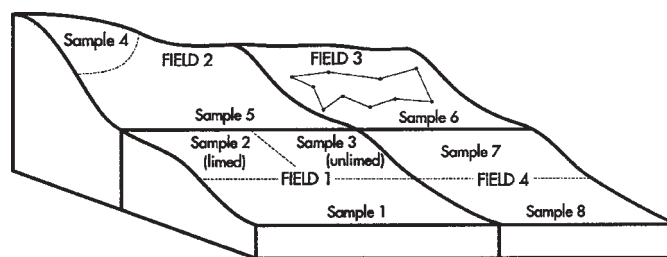


Figure 2. This shows how four fields might require the analysis of one to three composite samples for determining fertility needs. Each composite must contain 10 or more cores, as shown for Sample 6 in Field 3.

unit. It is much better to collect separate samples from these areas because their nutrient requirements are likely quite different from the rest of the field.

If a few years of yield maps are available, these can help identify areas of the field that should be sampled separately.

Soil sampling can also be used to “troubleshoot” areas of the field that are visually different or are consistently low yielding when compared to the rest of the field. Take a sample both from the poor growing area and adjacent areas of good growth. Keep good records indicating where each sample was taken.

Collect at least 10 soil cores for small areas and up to 30 cores for larger fields. Take the soil cores randomly throughout the sampling area and place them in the bucket. **Do not sample:**

- back furrows or dead furrows,
- old fencerows,
- areas used for manure or hay storage and livestock feeding, and
- areas where lime has been piled in the past.

Grid Soil Sampling

With new advances in agriculture and the availability of global positioning satellites, it is now possible to divide a field into smaller units or grid cells that can be sampled individually. Soil test results from each grid can be used to prepare nutrient availability maps of fields. Variable-rate fertilizer and lime applications are then based on these maps. Grid soil sampling and prescription fertilizer maps may result in more accurate recommendations and may lead to greater efficiency in fertilizer use.

Currently the industry standard grid size is 2.5 acres, but Kentucky research shows that variability within areas as small as one acre can be as great as the variability within the entire field. Because soil variability is so high, it is important to treat each grid cell as a field. At least 10 random samples should be collected across the entire grid cell, rather than a few cores from the center of the grid (Figure 3). Grid sampling can be a good way to identify old field boundaries or parts of fields that have had different management in the past if they are unknown to the current producer. This intensive sampling is costly, and limited Kentucky research has not shown a predictable economic benefit when it is compared to the current recommended method of sampling according to soil type, past history, or past management zones.

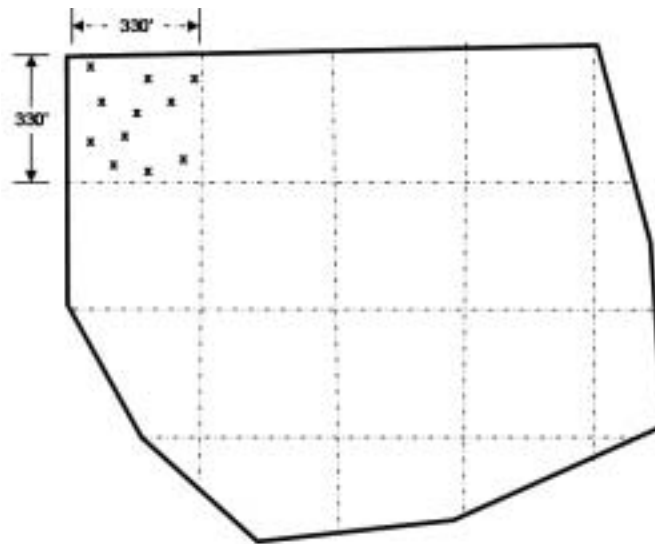


Figure 3. A field can be divided into 2.5-acre grid cells, as shown in the diagram above. Each cell should be treated as an individual field, and approximately 10 random cores should be taken from each cell.

Sampling after Banded Fertilizer Applications

Care must be taken when sampling no-till fields that have had fertilizer applied in bands rather than broadcast. Phosphorus, potassium, and zinc are immobile in the soil and remain in the concentrated band for several years after application. If these bands are completely avoided during sampling, soil test results will be lower than “actual,” leading to over-fertilization. If bands are included too often, soil test results will be higher than “actual,” causing an underestimation of fertilizer needs for the crop.

When the location of the bands is known, it is best to sample in the band one time for every 20 cores taken. If the location of the band is unknown, it is best to take pairs of random samples. The first core is completely random, and the second core is taken one-half the band spacing distance in a direction perpendicular to the band direction. For example, if banded fertilizer was applied on 30-inch spacing, the first core would be randomly selected, and the second sample would be taken 15 inches away (perpendicular to the direction of the band). This process would be repeated at least 10 times in a small field and up to 30 times in a larger field. The more cores that are collected, the more closely the sample will represent “actual” field conditions.

Collecting Lawn or Garden Samples

Sample gardens, lawns, and landscaped areas separately. Collect cores randomly from each area. The area to sample for trees includes the soil below the width of the tree. For shrubs, flower beds, and gardens, sample just the soil where the plants are growing. You should sample problem areas and areas with shrubs, trees, or flower beds separately from other turf or lawn areas. **Do not sample:**

- compost areas,
- under the drip-line of trees, and
- close to driveways or streets.

Sample Depth

One commonly overlooked component of soil sampling is the depth of soil to be tested. Most plant nutrients accumulate at the soil surface. This nutrient stratification is a result of past broadcast fertilizer applications and decomposition of plant residue on the soil surface. Because there is a higher concentration of nutrients on the soil surface, soil test values usually go down as the sample depth is increased. To obtain accurate and consistent (between different years) results, samples must be taken to the following depths for these areas:

Tilled Areas—Take soil cores to the depth of the tillage operation (usually 6 to 8 inches).

Non- or Reduced-Tilled Areas—Take soil cores to a depth of 3 to 4 inches for pastures, no-till planting (where fertilizer or lime remains on the soil surface), and minimum-till planting (where fertilizer is incorporated only in the surface 1 to 2 inches).

Lawns and Turfgrasses—Collect soil cores to a depth of 3 to 4 inches.

Sample Preparation

After all cores for an individual sample are collected and placed in the bucket, crush the soil material and mix the sample thoroughly (Figure 4). Allow the sample to air dry in an open space free from contamination. **Do not dry the sample in an oven or at an abnormally high temperature.** When dry, fill the sample container with the soil (Figure 5).



Figure 4. Break up clods while a sample is moist, and spread out to air dry in a clean area.

Sampling and preparing the soil for submission is only half of the process. The other equally important part is filling out a sample information sheet so that the desired crop, tillage, and other information can be considered when making the fertilizer recommendation (Figure 5). The sample information sheet contains all the important information required to provide accurate lime and fertilizer recommendations. Sample information sheets for the University of Kentucky Soil Testing Laboratory can be found at www.rs.uky.edu. The types of forms available are the:

- agricultural form,
- home lawn and garden form, and
- commercial horticulture form.



Figure 5. Thoroughly mix the air-dried sample, fill the sample bag or box, mark with your sample designation, fill out the information sheet, and take the sample to your county Extension office.

Each form asks for primary and alternative crops, as well as other background information. The amount of background information needed depends on the crop to be grown. Table 1 is provided as a guide to the background information needed for major agricultural crops (a) and home lawn and garden plants (b). Help on filling out the forms can be provided by your county Extension office.

It is very important to complete the pertinent sections of the sample information form. This will assure that you receive the most accurate fertilizer recommendations possible. Soil samples should be taken to your county Extension office; from there they will be sent to the UK Soil Testing Laboratory. Results and recommendations will be e-mailed to the county office usually within one to two weeks of submission.

Table 1. List of required crop information for accurate lime and fertilizer recommendations.

A. Agricultural Soil Sample Form

Required Information	Primary Crop			
	Corn	Soybeans	Tobacco	Forages
Previous crop	yes ¹	no ²	yes	no
Primary management	yes	no	no	yes
Previous management	yes	no	no	no
Primary use	yes	no	no	yes
Previous use	no	no	no	no
What was there 2 years ago?	no	no	yes	no
Soil drainage	yes	no	yes	no

B. Home Lawn and Garden Soil Sample Form

Required Information	Primary Crop		
	Vegetables & Fruits	Turfgrass	Landscape Plants
Turfgrass location	no ²	yes ¹	no
General information	no	yes	no

¹ Yes = Information is needed for accurate recommendations.

² No = Information is not needed for accurate recommendations.

BULLITT COUNTY

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KENTUCKY
COOPERATIVE EXTENSION

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Catfish Fillets in Ginger and Soy

Catfish Fillets in Ginger and Soy

- 1.5 lbs. catfish steaks, about 1-inch thick
- ¼ cup olive oil
- 1 garlic clove, minced
- 8 ounces fresh white mushrooms
- 3 tablespoons low-sodium soy sauce
- ¼ cup white wine vinegar
- ½ teaspoon ground ginger
- 1 green onion, thinly sliced

Preheat oven to 350 degrees Fahrenheit. Mix olive oil, garlic, mushrooms, soy sauce, vinegar, and ginger in a bowl. Place fish in a shallow, greased baking dish. Pour mushroom mixture evenly over fish. Pull foil around baking pan and seal tightly. Bake for 30 to 35 minutes or until fish flakes easily. Add thinly sliced green onions on top of fish before serving.

Yield: 6 servings

Adapted from "Pride of Kentucky" Published by Kentucky Extension Association of Family and Consumer Sciences, Copyright 2003 by Kentucky Association of Family and Consumer Sciences P.O. Box 446 Franklin, Kentucky 42135-0446

Nutrition Facts

6 servings per container	
Serving size 4 ounces (181g)	
Amount per serving	
Calories	270
% Daily Value*	
Total Fat 17g	22%
Saturated Fat 4g	20%
Trans Fat 0g	
Cholesterol 65mg	22%
Sodium 340mg	15%
Total Carbohydrate 2g	1%
Dietary Fiber 0g	0%
Total Sugars 1g	
Includes 0g Added Sugars	0%
Protein 25g	
Vitamin D 10mcg	50%
Calcium 4mg	0%
Iron 0mg	0%
Potassium 442mg	10%

* 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.

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KENTUCKY
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