

Ag & Natural Resources

OF COWS AND PLOWS

FRANKLIN COUNTY

COOPERATIVE EXTENSION

DECEMBER 2022 NEWSLETTER



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Winter Outlook

Derrick Snyder – National Weather Service, Paducah, KY

As the leaves change colors and fall to the ground, crops are harvested, and tendrils of frost form on plants, conversation often turns to what the coming winter will bring. As we have seen, winter in Kentucky can bring a bit of everything, from ice and snow to flooding to bitter cold - even severe weather. Given how variable the weather during the winter can be, is it possible to predict what will happen? Many of us have heard homespun wisdom about ways to predict what an upcoming winter will bring. Some of the more popular ones include how dark the hair of a wooly worm is in the fall, the shape of the seed inside of a persimmon, and counting the number of morning fogs in August. An office of the National Weather Service called the Climate Prediction Center also releases an outlook for the upcoming winter during autumn.

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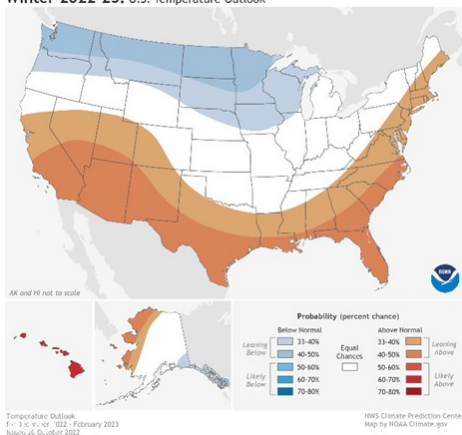
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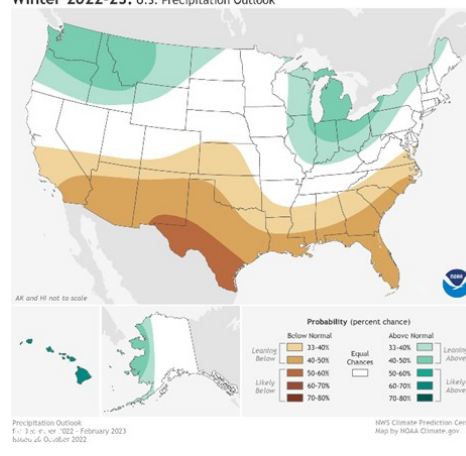
The winter outlook made by the Climate Prediction Center covers the months of December, January, and February. It is not possible to give a day by day forecast of what will happen, but it is possible to forecast whether a region will see a greater chance of above or below normal temperatures and precipitation (rain and melted snow and ice). If there is not a strong signal either way, the outlook will say that a region will have an equal chance of seeing above, below, or near normal temperatures and precipitation. It is important to remember that these outlooks cover a three month period. Periods of cold weather can occur when above normal temperatures are favored, and the opposite can happen when below normal temperatures are favored. The same rule also applies for precipitation.

For Kentucky, there was not a strong enough signal to forecast above or below normal temperatures during this upcoming winter, so the entire state has an equal chance of seeing above, below, or near normal temperatures. For precipitation, the northern portion of the state slightly favors above normal precipitation, while the rest of the state has an equal chance of seeing above, below, or near normal precipitation. How will this play out over the winter? – We shall have to wait and see!

Winter 2022-23: U.S. Temperature Outlook



Winter 2022-23: U.S. Precipitation Outlook



Changes to CEU Requirements for Commercial Applicators in 2023

New laws and regulations governing the sale, use, and storage of pesticides, as well as changes to training and certification standards, were approved earlier this year and will be implemented in 2023. This is the most significant change to the program since 1978. In September, I outlined some of the more important changes for the Private and Commercial Applicator Programs in two Kentucky Pest News articles. In this article, I will explore the changes to the CEU requirements for commercial applicators and how these changes can affect recertification and relicensing.

New Category Structure and Recertification

Beginning in 2023, there will be fewer commercial

categories; several have been consolidated or split and a few have been eliminated. In terms of those that have been consolidated, the old categories 3 (Lawn and Ornamental), 18 (Golf Course), 19 (Interior Plantscape Pest Control), and 20 (Athletic Turf) will be consolidated into the new Category 3, now called Turf, Lawn, and Ornamental Care. People certified in any of those 4 categories will be issued a new Category 3 certification without having to retest. The previous fumigation categories of 1b (Ag Fumigation) and 7b (Structural Fumigation) have been separated into the new categories of Category 7b (Structural Fumigation), Category 12 (Soil Fumigation), and Category 13 (Non-Soil Fumigation).

(Continued on pg. 3)

This new Category 13 covers fumigation of structures which are not habitable, such as grain bins and grain cars, while Category 7b, Structural Fumigation, also addresses fumigation of habitable structures. Persons holding current Category 1b certification will be certified in both Categories 12 and 13 without having to retest.

The categories being eliminated are 12 (Pesticide Retail Sales Agent), 13 (Anti-Fouling Marine Paint), 14 (Consultant), 15 (Anti Microbial), and 16 (Sewer Root Control). While retail pesticide sales agents will not be certified, the business must be registered and maintain and submit necessary records to the KDA.

General CEUs Eliminated

In the past, commercial applicators had to earn 9 general and 3 category-specific CEU credits by the end of their certification period to be eligible to recertify. With the new system, they need to earn 12 CEU credits with at least one in each of the categories they are certified in. So, in the future, applicators do not need to keep track of general and category-specific CEU hours. In order to deliver the general information to commercial applicators, presenters applying for CEU credit will need to identify what general pesticide safety and use educational material they will cover in their presentation. They must cover some core pesticide information in order to receive approval.

Annual CEU Requirement

What has changed regarding CEUs is that *each year* with *relicensing* (licenses are valid for one year and certifications last for 3 years), applicators must have

12 CEU in the previous 3 years. In the past, applicators only had to meet this requirement when they recertified every 3 years. This new requirement is to ensure that applicators receive more frequent pesticide updates. For people that have just taken the test for the first time and passed, they will be awarded 12 CEU hours that first year, which will cover that requirement until they recertify in 3 years. Applicators will need to earn their CEU credits by November 30 in order to receive credits for the current year.

License Renewal Grace Period Shortened

In the past, commercial applicators had 90 days to pay the annual fee and renew their licenses online. That grace period has been shorted to 31 days beyond the expiration of the license. Persons not renewing their license before the end of the 30-day period will not be able apply pesticides and will have until November 30 to pay their license fee or have to retest.

Penalty for not Earning CEUs

Commercial applicators that have not earned the necessary 12 CEUs in the previous 3 years will need to retest and will be subject to a \$200 recertification fee. This is to encourage commercial applicators to stay up to date in their areas by earning CEU credits. The best practice for applicators will be to earn at least 4 CEU hours each year, and for persons organizing training sessions for pesticide education credit, to offer at least 4 CEU hours.

By Ric Bessin, UK Entomology Extension Specialist



Recipe of the Month



Cheesy Broccoli Potatoes

- 5 slices turkey bacon
- 1 tablespoon olive oil
- 1 clove garlic, minced
- 2 tablespoons chopped chives
- Salt and pepper to taste
- 4 large potatoes, cubed
- 2 cups fresh broccoli florets
- 1 cup fat-free, shredded cheese

Preheat oven to 425° F. **Cook** bacon until crispy, crumble and set aside. **Spray** 9x13-inch baking dish with non-stick cooking spray. In a small bowl, **combine** olive oil, garlic, chives, salt and pepper; **stir** to blend. In a large bowl, **toss** together potatoes and broccoli. **Pour** olive oil blend over potato mixture; **stir** to coat. **Pour** into baking dish and **cover** with foil. **Bake** for 35 minutes or until potatoes are tender; **remove** from oven. **Sprinkle** cheese and bacon on top and place back in oven until cheese melts. **Yield:** 8, ½ cup servings. **Nutritional Analysis:** 140 calories, 5 g fat, 1 g saturated fat, 20 mg cholesterol, 470 mg sodium, 15 g carbohydrate, 2 g fiber, 2 g sugar, 10 g protein.



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



U.S. DEPARTMENT OF AGRICULTURE



Are you a Farmer, Rancher or Forest Manager?
**LET YOUR VOICE
 BE HEARD**



The U.S. Department of Agriculture needs your vital feedback!

Scan the QR Code and share your opinions with us to create a better customer experience and improve government programs and services, making them more accessible to you. This voluntary, anonymous survey will take about 10 minutes and asks about your interactions and general views on working with the Farm Service Agency, Natural Resources Conservation Service and Risk Management Agency.



Scan the code



Take the survey



Help us Improve!

USDA's Farm Service Agency, Natural Resources Conservation Service, and Risk Management Agency works to support agriculture by helping America's farmers, ranchers and forest managers leverage natural resources and mitigate the significant risks of farming through crop insurance, conservation programs, farm safety net programs, lending and disaster programs. From helping farmers recover after natural disasters and market fluctuations, to providing financial and technical assistance to improve operations through voluntary conservation, these agencies work together in partnership with private landowners and agricultural partners to protect and enhance the natural resources vital to our Nation.

By offering your feedback, you are directly contributing to securing the future of American agriculture. For more information or to access the survey in multiple languages online, visit www.farmers.gov/survey or scan the QR code.



September 2022

USDA is an equal opportunity provider, employer, and lender.

USDA Releases Nationwide Farmer, Rancher and Forest Manager Prospective Customer Survey

As a farmer, rancher or forest manager, your on-the-ground contribution to American agriculture is vitally important. Your efforts are key to the Nation's production of food, fuel and fiber, and your feedback is essential in helping the U.S. Department of Agriculture (USDA) improve government programs and services to support you. Please consider taking this very important nationwide farmer, rancher and forest manager survey by March 31, 2023.

USDA has released a nationwide survey asking for feedback from all farmers, ranchers, and forest managers. USDA would like to hear from existing customers, and they hope to also reach a new audience of prospective customers, specifically those that don't know about USDA, have yet to work with USDA, and those who were unable to participate in the past.

Please visit www.farmers.gov/survey or scan the QR code to the left by March 31, 2023, to access the survey online in multiple languages! The survey will take approximately 10 minutes to complete, and responses are anonymous.

Background. USDA works hand in hand with farmers, ranchers, forest managers, and agricultural partners to help mitigate the risks of farming through crop insurance, conservation programs, farm safety net programs, lending, and disaster programs. From helping farmers recover after natural disasters and market fluctuations, to providing financial and technical assistance to improve operations through voluntary conservation, USDA's Farm Service Agency (FSA), Natural Resources Conservation Service (NRCS),

and Risk Management Agency (RMA), work together to protect and enhance the natural resources vital to our Nation.

Feedback Benefits. USDA works to improve services, making government agricultural programs more accessible, equitable and easier to use. Survey feedback will assist these agencies, specifically the FSA, NRCS and RMA, in learning about ways to enhance support and improve programs and services, increase access and advance equity for new and existing customers. One of the ways the USDA works to engage landowners to improve services is by regularly asking for their valuable input. USDA takes that feedback and works directly with agencies to streamline processes, programs, paperwork and much more, making it easier for customers to access programs and services. Your input will help shape FSA, NRCS and RMA policies and programs going forward. The more participation, the better data USDA will have to inform future agency and program decisions to benefit the nations producers and landowners.

Act Now. USDA really needs your help! If you are a farmer, rancher or forest manager, don't delay! Please take the survey now, and share the link or QR code with farmers, ranchers and forest managers you may know, and in farmer networks you have access to. USDA looks forward to hearing your feedback!

Reemergence of Bedbugs as Poultry Pests

Jacque Jacob and Tony Pescatore, Animal and Food Sciences

ASC-250

It is estimated that one of every five Americans has had a bed-bug infestation at home or knows someone who has. However, today bedbug infestations are not limited to just homes. Cage-free poultry houses have been found to have problems with bedbugs, and the incidence continues to rise. This makes bedbugs another important external parasite for which poultry producers need to be wary.

To find out more, ask for UK publication ASC-250 or visit <http://www2.ca.uky.edu/agcomm/pubs/ASC/ASC250/ASC250.pdf>



Need Your CAIP Cost-share Educational Credit?

There are several monthly in-person sessions that will count for your educational component. One is the KSU Third Thursday Thing every third Thursday at the KSU Research and Demonstration Farm on Mill's Lane. Each month is a different topic and lunch is usually provided. To find out more visit <https://www.kysu.edu/academics/college-acs/school-of-ace/co-op/third-thursday-thing.php>.

Another regular session is offered by Kendal Bowman, Owen Co ANR Agent, every third Wednesday morning (except July & January) at the United Producer's Stockyard Owenton. These are the Brunch & Learn sessions from 8:30-9:30 before the regular sale. Every third Friday evening (except July & January) is the Friday Farmer Fundamentals from 5:30-6:30 before the sale. Coming up in January there will be qualifying sessions at the KY Fruit & Vegetable Growers Conference, Kentucky Cattlemen's Association Conference and Organic Association of KY Conference. After these we'll have the Winter Schools in February and March.

Remember that any Franklin County Cattlemen's Educational Meetings will qualify (plus you get a free meal!). Also, most workshops hosted by other commodity groups (Sheep & Goat Producers, Bee Keepers, etc) may qualify as well.

If you'd rather learn at home on your own time schedule visit <https://anr.ca.uky.edu/caip-training> to register and watch a video of your choosing. I'll get a notification once you take the quiz.

2022 CENSUS OF AGRICULTURE

THE AG CENSUS COUNTS

BECAUSE IT SHOWS THE VALUE

OF THE WORK I DO.

COMING THIS NOVEMBER

nass.usda.gov/AgCensus

YOUR VOICE. YOUR FUTURE. YOUR OPPORTUNITY.



United States Department of Agriculture
National Agricultural Statistics Service

#AgCensus



A Two-Day Program Focused on Post-Weaning Management of Feeder Cattle

Backgrounding Shortcourse

December 15 & 16, 2022

University of Kentucky C. Oran Little Research Center
4450 Frankfort Rd, Versailles, KY 40383
Program will begin with registration at 7:30 am ET

Program Topics

- | | |
|---|--|
| <ul style="list-style-type: none"> - Bunk Management - Health Risk Management - Vaccination Protocols - Cattle Processing - Confinement Considerations - Feeds and Feeding - Develop a Feeding Program - Ruminant Digestion | <ul style="list-style-type: none"> - Health Diagnostic Tools - Best Management Practices - Feed Mixing & Management - Cattle Handling Equipment - Haylage Fermentation - Disposition & Performance - Technology Tools - Enterprise Budgets |
|---|--|

Registration

Cost to attend: \$25/individual (includes lunches/dinner)
Pre-registration is required and is limited to the first 30 individuals
Registration Deadline: December 10th

Online Registration Link

<https://www.eventbrite.com/e/469124111847>

Or to register, please send email: jeff.lehmkuhler@uky.edu

For more information call
Dr. Jeff Lehmkuhler:
859-257-2853

Recommended Hotel Accomodations: Holiday Inn Express & Suites, Versailles, KY 40383



2023 OAK ANNUAL FARMING CONFERENCE

Rooted in Resilience: Growing Healthy Soils & Opportunities for KY Organics

KSU's Harold R Benson Research and Demonstration Farm, Frankfort KY

January 26-28, 2023

PRE-CONFERENCE WORKSHOPS

Reserve your spot and register now for these half-day immersive opportunities - January 26, 2023



Growing and Selling Profitable Greens Year-Round - Ray Tyler, Rose Creek Farm

Join this half-day workshop with well-known master grower Ray Tyler as he teaches the art of growing diverse crops and selling 52 weeks a year in zone 7b. His unique growing system of growing on 1 acre of vegetables under a mix of low-tech caterpillar tunnels and high tunnels makes him a whopping \$500,000 a year. Ray will provide a detailed workbook for you to fill out and take home, ensuring you leave with the best current practices and knowledge for your farm that will help you select, grow, and sell more greens from your farm than you could ever imagine.

Nutrient Budgeting for Small Organic Farms - Krista Jacobsen, UK; Chris McKenzie, Grow Appalachia

In order to farm sustainably and profitably, and to meet organic certification requirements, it is important to keep track of the nutrient levels in your soil to avoid over or under applying amendments like fertilizer and manure. Krista and Christopher will share the essentials of nutrient management for crop needs and walk through nutrient budget templates in a digestible manner for beginners and experienced growers alike. Come learn how to develop your own nutrient budget for your farm and how to factor in cover crops, manure, compost, and other amendments into your nutrient plan.



Intro to Forest Farming - Andrea Miller, Rural Action; Robin Suggs, Appalachian Sustainable Development

Imagine growing a profitable crop underneath a forest canopy! This workshop offers an introductory overview of forest farming in the Appalachian region. Join Andrea and Robin to learn about commonly-produced Appalachian forest botanicals, how to choose and prepare the best site for success, an overview of growing market trends and possibilities for these crops, and a glimpse into the Appalachian Harvest Herb Hub in Duffield, VA. Expect interactive discussion regarding markets, sourcing of planting stock, and cultural requirements. Hands-on demonstration is likely, based on weather; please dress accordingly.

High Tunnelling to Profit - Matt Kleinhenz, OSU; Paul Wiediger, Au Naturel Farm; Annette Wszelaki, UT

This information-rich high tunnel workshop will provide information, tools, and resources you need to grow for market, especially Fall through Spring. Join this expert team of presenters for interactive discussions and demonstrations on growing under cover, including crop selection and rotations, soil management, structural considerations, and more. Every participant will walk away with a better understanding of your high tunnels and a copy of Walking to Spring: Using High Tunnels to Grow Produce 52 Weeks a Year (enduring high tunnel wisdom; out of print).



Optimizing Your Farm Sales Funnel - Marketing Success! - Corinna Bench, My Digital Farmer

Are customers and leads getting lost in your business? Do you have a repeatable marketing strategy that turns browsers into paying customers and repeat buyers? In this half-day intensive farm marketing workshop, we'll build out a "sales funnel" for one of your farm's direct-to-consumer enterprises; learn the 8 stages of the "Sales Funnel Framework;" perform a self-audit of your own farm's sales process; and explore two examples of sales funnels in action to see how they work in practice. By the end of the workshop, you'll have a clear roadmap of what you need to improve to optimize your sales funnel this winter.

Is There a Grant for That?! Focus on Your Farm Funding - Panel of Resource Providers & Farmers

Funding opportunities can breathe life into a farm, whether at the start-up phase or in scaling-up systems and infrastructure. Join us to hear a single farm's journey of effectively using grant funding, then work through your own farm's business needs. Two panels of funders and resource providers will discuss funding opportunities and how they can be used to boost a farm's success. Working with funding providers and other farmers, you'll determine the next steps to create the funding success your farm needs.



#OAK2023: 350 farmers & ag experts | 30+ sessions + farm tours |
6 immersive workshops | 2 keynote speakers | and YOU!

REGISTER BY DECEMBER 15TH TO SAVE: [OAK-KY.ORG/ANNUAL-CONFERENCE](https://oak-ky.org/annual-conference)



2023 BEGINNER BEEKEEPER'S SCHOOL

CAPITAL CITY BEEKEEPERS ASSOCIATION

LIGHT REFRESHMENTS PROVIDED. LUNCH ON YOUR OWN IN FRANKFORT, KY.

WHEN:
JANUARY 7, 2023
8AM - 5:30PM EST

REGISTRATION:
REGISTER AT:

[HTTPS://CCBA-BEGINNER-BEE-SCHOOL-2023.EVENTBRITE.COM](https://ccba-beginner-bee-school-2023.eventbrite.com)



ADMISSION IS FREE FOR CCBA MEMBERS.
\$10 TO JOIN!
PAYMENT OF CHECK OR CASH ACCEPTED AT THE DOOR.

WHERE:
FRANKLIN COUNTY COOPERATIVE EXTENSION OFFICE

Topics Discussed:

- Introduction to Beekeeping
- The Biology of the Bee
- The Honey Bee Colony & Lifecycle
- Locating & Setting Up the Bee Yard
- "Woodenware" & Equipment
- Beekeepers Tools & PPE
- Lighting your Smoker
- Getting & Installing your Bees
- Nucs & Packages
- First Year Management
- Pests
- Feeding
- Varroa Mite Control

Welcome

Extension Staff Assistants Emma Boebinger & Julie Banks!

They will be assisting with answering phone calls and emails, creating newsletters & program flyers, taking insect and soil samples, meeting room reservations, and compliance.



Emma is a recent graduate of the University of Evansville. She has a Bachelors of Science in Exercise Science. Outside of the office, you will find Emma involved with the local running events.



Julie is the the mother of three boys- Keegan (16), Jacob (11), and Nolan (7). She has been married to her husband Russell for 18 years. Julie is excited to be apart of the Franklin County Cooperative Extension Team!

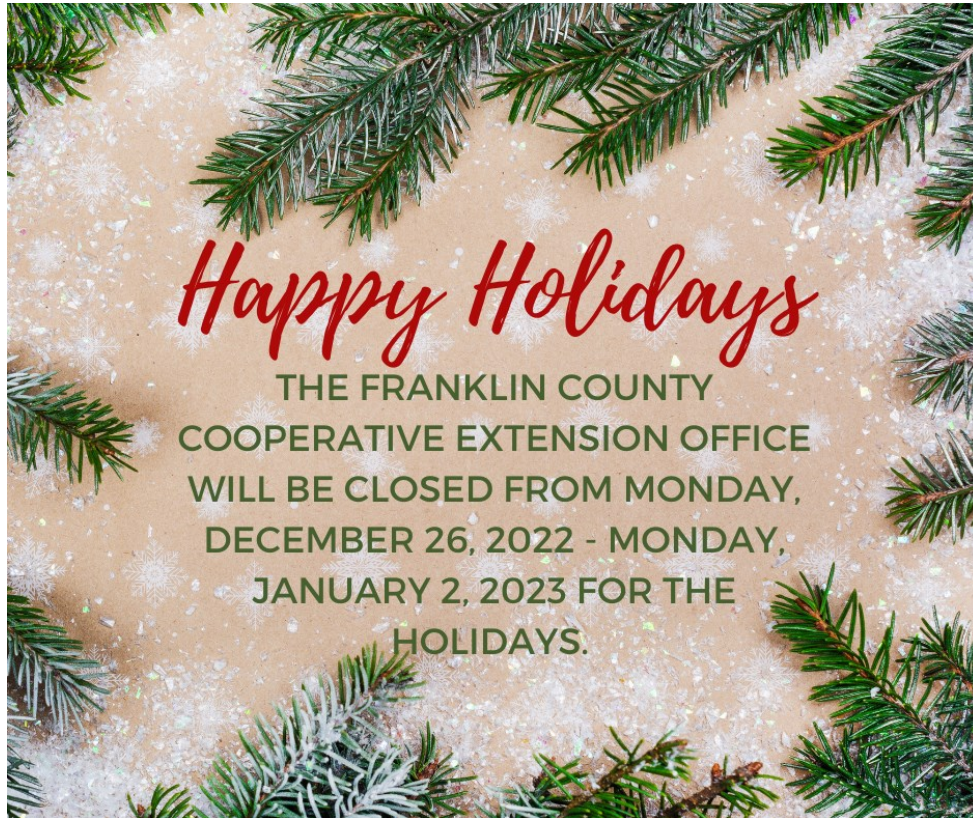
SAVE THE DATES:

January 2-4 KY Fruit & Vegetable Conference, Bowling Green

January 5-6 Kentucky Cattlemen's Association Conference, Lexington

January 26-28 Organic Association of KY (OAK) Conference, KSU Farm





Keenan R Bishop

**Keenan Bishop, County Extension Agent
for Agriculture and Natural Resources**

**Be sure to follow our Facebook page
for all the up-to-date
information and articles.**



@FranklinCountyKyCooperativeExtension



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Agriculture and Natural Resources
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LEXINGTON, KY 40546



Disabilities
accommodated
with prior notification.