

GRAVES COUNTY AGRICULTURE & NATURAL RESOURCES NEWS

 **Martin-Gatton**
College of Agriculture,
Food and Environment
University of Kentucky.

GRAVES COUNTY COOPERATIVE
EXTENSION SERVICE
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MAYFIELD, KY 42066
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November 2023

IN THIS EDITION:

- Agent Notes
- Schedule of Events
- Announcements
- Crops
- Pesticide News
- Entomology
- Horticulture
- Weather notes
- Miscellaneous



Happy November!

According to what I'm seeing during my weekly drives through the county, it looks like harvest for most is well on it's way to wrapping up. Some that I've talked to have reported great yields, and after last year that is great news!

Thank you to our farmers and farm families! You work countless hours and sacrifice so much to do what you do, and we are thankful!

There are quite a few events coming up on the horizon that I'd like to draw your attention to. First, if you are a pesticide applicator and need CEU hours for this year, you have until NOVEMBER 30TH to get those finished!

Second, we are so excited to partner with the new upcoming Mayfield Downtown Farmers Market and host their kickoff event at our office on November 11th! We have packed the place with LOCAL vendors of all sorts for you to start your holiday shopping with. There will also be Santa available for pictures, our Homemakers are making sugar cookies for the Santa to pass out, and our 4H program assistant will be doing a craft with the kids. It's going to be a great event, we hope to see you there!

And finally, I'd like to draw your attention to the North to Alaska flyer included in this newsletter. This is a fantastic opportunity to go on an agricultural experience to Alaska with your ag agents! We are excited to bring this trip to our counties and would love for our producers to join us. Information is included on the flyer to check that out and be thinking about if that is something you'd like to be a part of.

As always, please reach out with any questions or program ideas that you would like to see from us! I pray that you all have a safe and blessed Thanksgiving!



Miranda Rudolph

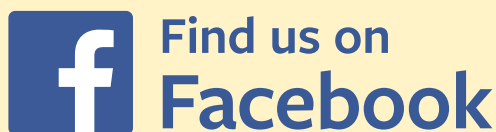
Miranda Rudolph
Extension Agent for Agriculture & Natural Resources
Graves County
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ANR: What's Happening?

Bolded events are hosted by the Graves County Extension Office.

- November 1-November 30: CAIP applications open- See Graves County Conservation District for applications
- **November 9: Intro to Beekeeping, GCEO, 5:30pm**
- **November 11: Mayfield Downtown Farmers Market Holiday Market, GCEO, 9am-noon**
- November 14: Pesticide Applicator CDU Workshop, Grand Rivers Community Center, 8:30am-2pm
- **November 28: Holiday Wreath Workshop, GCEO, 5:30pm**
- **November 30: DUE DATE FOR ALL PESTICIDE CEU HOURS**
- December 18: Alaska Trip Informational Night, Marshall County Extension Office, 6pm




Cooperative Extension Service

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

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 Cooperative
Extension Service

Bee keeping

**Chuck Collins from
The Bee Barn & Lake
Barkley Beekeepers
Association
to guest speak!**

**November 9
5:30 PM**

**Graves County
Extension Office**

**call to sign up!
270-247-2334**



HOLIDAY MARKET

Santa, cookies,
food, crafts,
gifts + more!

Graves County
Extension Office



**NOVEMBER
11, 2023 9AM-12PM**





WREATH DECORATING

NOV

28

LIMITED TO \$25
20 PEOPLE

GRAVES COUNTY EXTENSION OFFICE



CAIP APPLICATION PERIOD NOW OPEN THROUGH NOVEMBER 30TH! SEE GRAVES COUNTY CONSERVATION DISTRICT FOR APPLICATIONS!

MONEY FOR FARM IMPROVEMENTS



Eligible Investment Areas:

- Agricultural Diversification*
- AgTech & Leadership Development*
- Large Animal - Small Animal*
- Farm Infrastructure*
- Fencing & On-Farm Water*
- Forage & Grain Improvement*
- Innovative Ag. Systems*
- On-Farm Energy*
- Poultry & Other Fowl*
- Value Added & Marketing*

Administered by

Graves County Conservation District
1000 Commonwealth Dr.
Mayfield, KY 42066
(270) 247-9525 ext: 8118
GCCD1000@gmail.com

COUNTY AGRICULTURAL INVESTMENT PROGRAM (CAIP)

Applications are available for Graves County's CAIP to assist farmers in making important farm investments.

Application Period:

November 1 – November 30, 2023

***No applications will be accepted before
November 1 or after November 30***

Application Availability:

Graves County Conservation District, USDA-NRCS
1000 Commonwealth Dr., Mayfield, KY 42066
Monday – Friday (8:00 a.m. – 3:00 p.m.)

For More Information:

Contact Becky Kaczur at (270) 247-9525 ext: 8118
or email GCCD1000@gmail.com

*All applications are scored, based on the scoring criteria
set by the Kentucky Agricultural Development Board.*



North to Alaska

July 29th - Aug. 4th 2024

Agriculture & Cultural Tours

Join Marshall, McCracken, Calloway, Livingston and Graves County Agriculture Agents on a Agricultural and Cultural Trip to Alaska! This 7 day land excursion will take you as far south as Kenai Fjord and as far north as Fairbanks! Prices start at \$3,325 and do not include airfare.

Interested participants can request an informational packet from their county office, and are highly encouraged to attend the informational night held at the Marshall County Extension Office on December 18th, 2023 at 6pm. Trip registration is due by January 15th, a \$500 non-refundable deposit is due by January 30th and the final payment is due April 1st.



Culture

Enjoy scenic views as we travel across Alaska! Tour landmarks like Denali Park, Talkeeta, Kanai Fjord, and more! Travel by coastal train and board a day cruise to the famous Resurrection Bay. View jagged cliffs, marine life and alpine glaciers from the boat. Embrace the culture by tasting traditional Alaskan cuisine, staying at a famous historic hotel in Anchorage, or by embarking on an optional fishing trip or airplane glacier tour.



Agriculture

Explore Alaskan Agriculture! Enjoy touring farms and Alaskan industry! Tour a fruit and vegetable farm, fish hatchery, reindeer farm, birch tree syrup production facility, ox Farm, Alaskan brewery, Alaska Plant Materials Center, a shipping port & engage with an Alaska Extension Agent!

University of Kentucky presents 2023 Fall Crop Protection Webinar Series

Beginning Nov. 2, 2023, the University of Kentucky Martin-Gatton College of Agriculture, Food and Environment will present a series of four webinars covering field crop protection. Hosted through the Southern Integrated Pest Management Center, the webinars will feature UK extension pest management specialists discussing weed science, plant pathology and entomology topics. Continuing education credits for Kentucky pesticide applicators and Certified Crop Advisors will be available.

The Thursday morning webinars will take place via Zoom at 10 a.m. EST/ 9 a.m. CST, and preregistration is required for each webinar. The webinars are open to agriculture and natural resource County extension agents, crop consultants, farmers, industry professionals, and others, whether they reside or work in Kentucky or outside the state.



Dr. Kiersten A. Wise

Webinar #1:

November 2, 2023

Registration: https://zoom.us/webinar/register/WN_CfQFt0dQSNq5ifdnaSre7A



Dr. Carl Bradley

Webinar #2:

November 9, 2023

Registration: https://zoom.us/webinar/register/WN_3SvKPhEDSSWcYhnUnLrvsQ



Dr. Travis Legleiter

Webinar #3:

November 16, 2023

Registration: https://zoom.us/webinar/register/WN_SIOzGyibQiOk4A6pTRHGmw



Dr. Raul Villanueva

Webinar #4:

November 30, 2023

Registration: https://zoom.us/webinar/register/WN_AqvCh08TQGCAJXvKxqdwFA





Check Your CEU Hours to Avoid Penalty

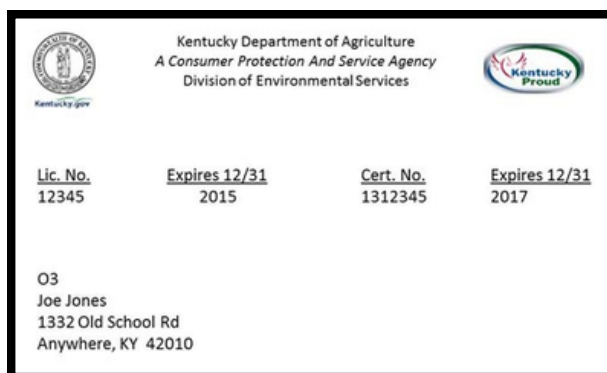
By Ric Bessin, Entomology Extension Specialist

This is the first year under the new recertification rules for pesticide licenses. The new regulations emphasize earning continuing education units (CEUs) to maintain licenses. With the new rule, commercial and non-commercial pesticide applicators and operators will need to have 12 CEU hours earned within the last three years to renew their license. In addition, at least one CEU must be in each of the categories held by the license holder. Each year during license renewal, CEU hours for the previous three years will be checked.

So, both commercial and non-commercial pesticide license holders should check their CEU hours periodically on the Kentucky Department of Agriculture website. This KDA website will have users create an account, then they can check their hours or the hours of persons in their company. Only hours earned within the past 3 years will appear for each licensee.

Persons needing CEU hours have until November 30 to earn those hours. The Kentucky Department of Agriculture maintains a schedule of approved meetings on their website which is updated periodically. Included on this list are in-person meetings, on-line webinars, as well as on-demand training. People needing hours should check this schedule periodically as new CEU opportunities are added regularly. Hours must be earned by November 30, after that date they will be credited to 2024.

Persons wanting to relicense that do not meeting CEU hour requirements will be subject to losing their license as well as a \$200 fine to relicense.



Need your CEU hours before the NOVEMBER 30TH deadline?

Here's your chance!



PESTICIDE APPLICATOR CDU HOURS WORKSHOP (LAST CHANCE)

This course will include speakers:

- Forrest Wynne Kentucky State University: Aquatic Weed Control
- Travis Legleiter University of Kentucky: Weed Control in Field Crops 2023-2024
- Ric Bessin University of Kentucky Department of Entomology; Preparing Pesticides Properly
- Samantha Anderson University of Kentucky Department of Entomology; Know your Label

This course will include four CDU Hours including 1 Credit for 5A and 3 credits for 1A

Cost: \$10.00 Per Person (Cash or Check)

Date: Tuesday November 14th 2023

Time: Registration is 8:30am-9:00am **Speakers from:** 9:00am-1:50pm

Where: Grand Rivers Community Center

115 West Cumberland Ave Grand Rivers, KY 42045

RSVP is required to be able to attend this meeting.

Please RSVP by **Friday November 10th 2023** by 4:30pm. RSVP by calling the Livingston County Extension Office at 1.270.928.2168

Sponsored by: Livingston County Cooperative Extension, Marshall County Cooperative Extension, Callaway County Cooperative Extension, Caldwell County Cooperative Extension & McCracken County Cooperative Extension



Lunch will be provided

CEA for ANR

Livingston County
Extension Service

Graves County
and Natural Resources
Development
Consumer Sciences

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



Spotted Lanternfly Confirmed in Kentucky

Fast Facts

- Spotted lanternfly (SLF) is an invasive species, originally from Asia, that was first confirmed in the US in 2014.
- The adult is distinctive looking, with front wings that have a mixture of stripes and spots while the back wings have a bright red color that contrasts with white, black, and khaki coloration on the rest of the body.
- Tree of heaven is their primary host plant, but they are known to feed on over 70 different species of plants including grapes, apples, and maples.
- If you believe you have seen or captured a spotted lanternfly, please take a photo or capture the specimen and get it identified by the entomology department or submit it to a local extension professional.

For more information contact the Graves County Extension Office or see Entfact-465.

To report a potential sighting, send photos to your local extension agent and reportapest@uky.edu



Photo by Emelie Swackhamer, Penn State University, Bugwood.org

Spotted lanternfly lookalikes

While SLF is unique looking, there are some insects that resemble it!



Some moth species have similar looking under-wings. They will be fuzzy and lack the other designs SLF has.



Other insects may have spots or stripes but not quite the same mixture as the SLF.

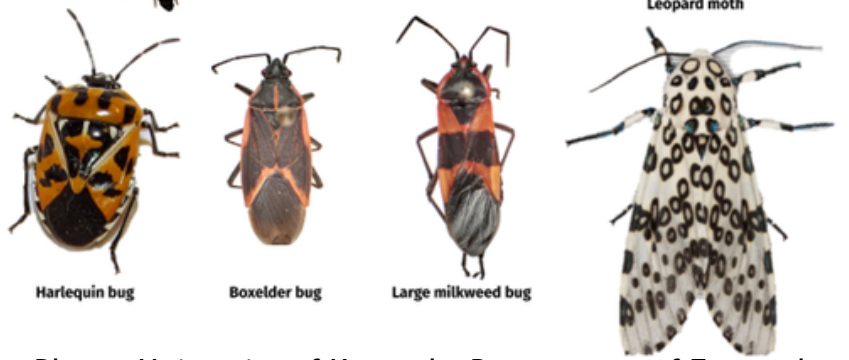


Photo: University of Kentucky Department of Entomology

Why Leaves Change Color in the Fall

Source: Sharon Flynt, UK extension horticulture agent

Fall is one of the most beautiful seasons of the year, as tree leaves change colors to bright oranges, vibrant reds and eye-popping yellows. Trees that change color in the fall are deciduous trees. They go dormant in the winter to protect the tree from freezing temperatures and will generate new leaves in the spring.

Three factors cause the tree leaves to change color at this time of year: length of night, leaf pigments and weather. Length of night is the only constant of the three. Following the summer solstice in June, the daylight shortens in the Northern Hemisphere and nights become longer. It is the increasing length of night that triggers certain reactions in trees and leaves.

Chlorophyll, which produces the green color in leaves, and carotenoids, which gives us the orange, yellows, and browns, in conjunction with sunlight, are working all summer to produce food for the tree. After the solstice, night length steadily increases, causing excess plant sugars to build up, chlorophyll production to slow down and eventually stop in the leaf. When chlorophyll production ceases, the carotenoids pigments are unmasked and any anthocyanins in the leaf start producing the reddish, purple colors in response to bright light, giving the leaves their fall colors.

As time passes, a cell layer between the leaf petiole, where it connects to the stem of the tree, begins to close. Once that cell layer completely closes, the leaf drops, closing off any openings into the tree and protecting it from winter's freezing temperatures and harsh winds.

Fall color vividness depends on temperature and moisture. Sunny, warm days, cool nights and soil moisture in early fall produce the most color. This combination of moisture and temperature produce a vast array of color and that's why no two autumns are ever alike.

Contact the Graves County office of the University of Kentucky Cooperative Extension Service for information on trees.





Buiding an Emergency Kit

By Jane Marie Wix - National Weather Service, Jackson, KY

(Source: Ready.gov/kit)



After an emergency (whether it be natural or man-made), you may need to survive on your own for several days. Being prepared means having your own food, water, and other supplies to last during this amount of time. A disaster supplies kit is a collection of basic items your household may need in the event of an emergency.

Make sure your emergency kit is stocked with the items on the checklist below. Once you take a look at the basic items, consider what unique needs your family might have, such as supplies for pets or seniors.

Basic Disaster Supplies Kit

To assemble your kit, store items in airtight plastic bags and put your entire disaster supplies kit in one or two easy-to-carry containers such as plastic bins or a duffel bag.

A basic emergency supply kit includes the following recommended items:

- Water (one gallon per person per day for several days, for drinking and sanitation)
- Food (at least a several-day supply of non-perishable food)
- Battery-powered or hand crank radio and a NOAA Weather Radio with tone alert
- Flashlight
- First aid kit
- Extra batteries
- Whistle (to signal for help)
- Dust mask (to help filter contaminated air)
- Plastic sheeting and duct tape (to shelter in place)
- Moist towelettes, garbage bags and plastic ties (for personal sanitation)
- Wrench or pliers (to turn off utilities)
- Manual can opener (for food)
- Local maps
- Cell phone with chargers and a backup battery
-



Additional Emergency Supplies

Consider adding the following items to your emergency supply kit based on your individual needs:

- Soap, hand sanitizer and disinfecting wipes to disinfect surfaces
- Prescription Medications. An emergency can make it difficult for you to refill your prescription or to find an open pharmacy. Organize and protect your prescriptions, over-the-counter drugs, and vitamins to prepare for an emergency.
- Non-prescription medications such as pain relievers, allergy medication, antacids, etc.
- Prescription eyeglasses and contact lens solution
- Infant formula, bottles, diapers, wipes and diaper rash cream



- Pet food and extra water for your pet
- Cash
- Important family documents such as copies of insurance policies, identification and bank account records saved electronically or in a waterproof, portable container
- Sleeping bag or warm blanket for each person
- Complete change of clothing appropriate for your climate and sturdy shoes
- Fire extinguisher
- Matches in a waterproof container
- Feminine supplies and personal hygiene items
- Mess kits, paper cups, plates, paper towels and plastic utensils
- Paper and pencil
- Books, games, puzzles or other activities for children

Maintaining Your Kit

After assembling your kit remember to maintain it so it's ready when needed:

- Keep canned food in a cool, dry place.
- Store boxed food in tightly closed plastic or metal containers.
- Replace expired items as needed.
- Re-think your needs every year and update your kit as your family's needs change.

Kit Storage Locations

Since you do not know where you will be when an emergency occurs, prepare supplies for home, work and cars.

- Home: Keep this kit in a designated place and have it ready in case you have to leave your home quickly. Make sure all family members know where the kit is kept.
- Work: Be prepared to shelter at work for at least 24 hours. Your work kit should include food, water and other necessities like medicines, as well as comfortable walking shoes, stored in a "grab and go" case.
- Car: In case you are stranded, keep a kit of emergency supplies in your car.

Finally...Make a Plan!!!

- Learn what hazards affect your area. Contact your local National Weather Service office, your local emergency management office, or a local Red Cross chapter to learn which hazards can affect you.
- Make sure you know what to do when severe weather strikes.
- If you get separated from family, make sure you have a place to meet, and a point to contact to let someone know you are ok.
- Involve children in the plan making process.
- Practice your plan.



Tell us how to better serve you! Your input is important to us!
Please take a few moments to complete our needs assessment survey.

An equal opportunity organization

GRAVES 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

KENTUCKY  
COOPERATIVE EXTENSION





Nutty Sweet Potato Biscuits

1 cup all-purpose flour	1 1/3 cup whole wheat flour	1/4 teaspoon ground cinnamon	6 tablespoons sugar
1 1/2 teaspoons baking powder	1/2 teaspoon salt	1/4 teaspoon ground nutmeg	1/4 cup butter, melted
		1/2 teaspoon vanilla	1 1/3 cup chopped walnuts
		1 cup mashed sweet potatoes	1 tablespoon milk

1. In a large mixing bowl, **combine** flours, baking powder, salt, cinnamon, nutmeg and walnuts. **Set** aside.

2. Combine sweet potatoes, sugar, butter, vanilla and milk; **add** to flour mixture and mix well.

3. Turn out onto a golden brown.

floured surface; gently **knead** 3 or 4 times.

Roll dough into 1/2 inch thickness. **Cut** with a 2 inch biscuit cutter and **place** on a lightly greased baking sheet.

4. Bake at 450°F for 12 minutes or until

Nutritional Analysis: 4 g fat, 2 g saturated fat, 5 mg cholesterol, 210 mg sodium, 14 g carbohydrate, 1 g fiber, 4 g sugar, 2 g protein.



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

Kentucky Sweet Potato

SEASON: Peak season is October through March.

NUTRITION FACTS: Sweet Potatoes are a good source of fiber, complex carbohydrates and vitamins A and C.

SELECTION: Two varieties of sweet potatoes are grown in Kentucky. The pale sweet potato has a light yellow skin and pale yellow flesh that is dry and crumbly. The darker variety has a dark skin and orange sweet flesh that cooks up moist. Choose small to medium-sized ones with smooth, unbruised skin.

STORAGE: Store unwrapped in a cool (50 degree) dry, dark place with good ventilation for up to 2 months or at room temperature for 2 weeks.

PREPARATION: Scrub well. Leave whole or peel, then slice, dice or shred.

Baking: Pierce skin in several places and rub with

Source: www.fruitsandveggiesmatter.gov

margarine if desired. Arrange in a single layer and bake uncovered in a 375° F oven until soft when squeezed (45-60 minutes.)

Boiling: In a 3-quart pan, boil 4 whole medium-size potatoes, covered in 2 inches water until tender when pierced. Drain.

Microwaving: Pierce skin, place on a paper towel in microwave. If cooking more than 2 at a time, arrange like spokes. Microwave on high, turning halfway through cooking time. Allow 4-5 minutes for one potato.

SWEET POTATOES

Kentucky Proud Project

County Extension Agents for Family and Consumer Sciences
University of Kentucky, Nutrition
and Food Science students

OCTOBER 2012

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