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4-H CAMP

JUNE 5-9, 2023

Applications Available
February 1 online
and at the Extension office

See page 6 for details



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Ag Programs

- ◆ Beef Basics
- ◆ Making Hay
- ◆ Raising the Steaks, and Chops
- ◆ Tobacco GAP Training
- ◆ UK Winter Wheat Meeting
- ◆ Private Pesticide Certification
- ◆ Rooted in Shelby
- ◆ Meeting Winter Hay Needs



- FREE Day Pass to FAC
- Soup Sharing
- Sewing Circle
- Laugh & Learn Play Dates
- Cultural Arts Exhibit & Contest
- Sewing Volunteer Opportunities
- Homebased Microprocessor Workshop
- Big Blue Book Club
- Are You Radon Aware?

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Horticulture

*Fun Facts About
Holiday Plants!*



*Battling Indoor
Stinkbugs*



FREE Day Pass to FAC

First Saturday Walkabout

Saturday, January 7

Saturday, February 4

Did you know we partner with Clear Creek Family Activity Center on a monthly program called **First Saturday Walkabout**? On the **first Saturday of every**



month from 8—8:30 a.m., sign in at the front desk of Clear Creek FAC and you will receive one FREE Day Pass per person. Afterwards, you can walk on the trails, on the walking path, or on the inside walking track. You can use your pass at any later date of your choosing.

The First Saturday Walkabout is always held every month. Join us for this great opportunity in the new year! It's a great time to set a physical activity goal.

Soup Sharing

Tuesday, January 10, 11 a.m. - 1 p.m.



Bring a pot of your favorite homemade soup and the recipe to our special session of "Soup Sharing". You will get to taste many types of soup and will later receive all the recipes in a Soup

Recipe Booklet. Soups will be put to the taste test, and winners will get a prize. For those who don't care to bring soup but want to come for a good lunch, you may make a donation.

Sewing Circle

1—3 p.m.

Join us for a set class project (see details of projects below).

3—8 p.m.



Bring any kind of your own project to work on during this time. Master Clothing Volunteers will be available to help answer questions or offer guidance on your project. *A light meal will be served at 5 p.m.*

Space is limited. Please call to reserve your spot.

Tuesday, January 10: Flying Geese Wallet

Make a simple fabric wallet with a flying geese design. It can also be used to hold a gift card with the two pockets inside. Free. All supplies provided.

Tuesday, February 14: Fabric Postcard

Make a fabric postcard that can actually be sent through the U.S. Postal Service. Free. All supplies provided.

Laugh & Learn Play Dates

Thursday, January 19, 10 a.m.

Theme: Snow

Thursday, February 16, 10 a.m.

Theme: My Family/Love

Starting in January, we will be offering a free monthly playdate for children ages 3-5 and their caregiver. The program engages child(ren) in playful activities that are specifically designed to prepare them for kindergarten. At the program, your child(ren) will listen to a story, sing songs, make crafts, play games, and enjoy a healthy snack. Parents/guardians must also attend the program to support their child(ren) through the activities of the program.



Registration is required! Spots are limited!

Cultural Arts Exhibit & Contest

The Shelby County Extension Homemaker's Annual contest and exhibition for Cultural Arts will be held at the Extension Office, and you are invited to come see the showcase of talent! Items entered in the contest will be judged and on display for the public to view on **Tuesday, February 7 from 11:30—1:00 p.m.**



Note to Extension Homemakers: The contest rules and categories are included in your Homemaker Yearbook. Bring your items to be entered on Tuesday, February 7 between 8—10 a.m.

Sewing Volunteer Opportunities

If you enjoy sewing, please consider helping young 4-H sewers learn the skill. It takes several volunteers to help make these classes happen for our young people. If you can assist with any of the following sewing workshops, please contact the Extension Office. Thank you in advance for your support!

At Heritage Elementary School (2:30—5 p.m.)
January 17, 24, 31, February 7

At Shelby County Extension Office (3—5 p.m.)
February 28, March 7, 21, 28

Homebased Microprocessor Class

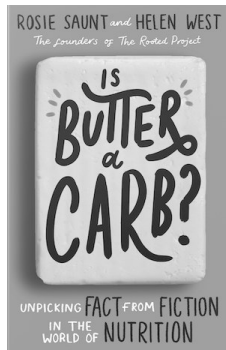
March 2, 9:30 a.m.—2:30 p.m.

Homebased microprocessors are farmers who grow and harvest produce to use in their value-added products. Homebased microprocessors are required to grow a predominant ingredient in the products they make. The first step to becoming certified as a homebased microprocessor is to attend a Homebased Microprocessor workshop presented by the University of Kentucky. The cost of the workshop is \$50.00. Held at the Extension Office. For more information and to register, visit ukfcs.net/HBM or call 502-633-4593.

Big Blue Book Club

March 2, 9, 16, and 23 (Thursdays) at 10 a.m.

Join FCS Extension for our next Big Blue Book Club series featuring *Is Butter a Carb? Unpicking Fact from Fiction in the World of Nutrition*. This book removes the moral stigma from food and breaks down the science to provide easy, accessible evidence-based advice on how to live your healthiest and happiest life.



This series will be held on Zoom on. Register online at <https://ukfcs.net/BBBC23Book1>. Call the Extension Office if you need assistance. The first 200 registered participants will receive a FREE copy of the book. Registration deadline is January 27, 2023.

The Extension Office will be hosting a watch party for each session, and if you wish to join, please call the Extension Office to also RSVP for the watch party.

Are You Radon Aware?

January has been designed as Radon Action Month in Kentucky by Governor Andy Beshear. Radon is a naturally occurring radioactive gas that you can't see, taste,



Rn
radon

or smell. Radon exposure is harmful to your health. It is the second leading cause of lung cancer. People who are exposed to both radon and tobacco smoke are 10 times more likely to develop lung cancer. Kentucky leads the nation in the number of new lung cancer cases and lung cancer deaths.

Radon comes from the breakdown of uranium in the soil, in rock, and water. Every region in the country has radon, but levels vary widely by geographic area. The Environmental Protection Agency lists radon is the No. 1 cause of lung cancer among nonsmokers. The gas causes about 21,000 deaths from lung cancer every year.

How to stay safe from radon:

- 1. Test Your Home** – The EPA and the U.S. surgeon general recommend you test your home for radon. Testing is easy and inexpensive. Learn more about testing your home, including how to get an easy-to-use test kit at www.epa.gov/radon/find-radon-test-kit-or-measurement-and-mitigation-professional. There is no known safe level of radon, and you should always aim to have the lowest level. The EPA recommends fixing your home if radon levels are above 4 picocuries per liter of air (pCi/L).
- 2. Spread the Word** - Use National Radon Action Month to encourage others to learn about radon and to test their homes, schools, and workspaces. Tell your family and friends about the health risk of radon. Other possibilities are:
- 3. Mitigate (Fix) Your Home** – Lowering high radon levels requires technical knowledge and special skills. To find a qualified contractor in your area, contact the Kentucky Radon Program at 502-564-4856 ext. 4196 or visit <https://certifiedradonpros.org/ky.html>.

Radon is a preventable cause of death, and these steps can make your home and indoor environment easier to breathe in.

Source: Hardin Stevens, Senior Extension Associate, University of Kentucky, College of Agriculture, Food and Environment, March 2022

Articles By:



Elizabeth Coots
Cooperative Extension Agent for
Family & Consumer Sciences

Battling Indoor Stinkbugs

The brown marmorated stink bug is a nasty nuisance and a relatively new invasive pest. Native to China, Taiwan, Japan, and Korea, they were first reported in the U.S. around the mid-1990's. Since then, their population has taken off across the states, quickly becoming a major home and agricultural pest.

Most of the year, stinkbugs target a wide range of fruits, vegetables, and landscape plants. Using their piercing and sucking mouthparts to take nutrients from the fruits and seeds, which physically distorts and harms the marketability of produce. Agricultural threat aside, the species also seeks shelter in buildings during the late fall and winter months, sometimes becoming such a problem that they can affect quality of life. While overwintering, the species is in a state of diapause, similar to hibernation, in which they do not need to feed or reproduce until spring. Although not a biting threat to humans, they tend to buzz around light sources, stain walls, curtains, and other surfaces with fecal spotting, and emit a pungent odor when disturbed – often likened to the scent of cilantro. When squeezed, they can produce chemicals irritating to the skin and there is evidence they may be an airborne allergen for some people.

Dealing with these bugs is not an easy task. They prefer overwintering in cool, dry environments and may find entry into someone's home through windows, doors, vents, attics/chimneys, window air conditioners, siding, and other openings. Sealing these off is the most permanent solution to preventing stinkbugs (and other pests) from invading a building - but this can be a long-term and tedious project. Though they may be big, they can fit into surprising small spaces due to their thin bodies. Cracks should be sealed with caulk (or other sealant) and vents can be screened off with a 1/6 -inch diameter or smaller screening.

In agricultural settings, a pheromone-laced trap can be used to attract stinkbugs. This, however, does not work when they are overwintering indoors and not actively reproducing. They are strongly attracted to ultraviolet light, and light traps paired with either glue boards or hung over soapy water can



be efficient in trapping the pests. Other physical removal methods, such as using gloves, tissues, or vacuums, are considered some of the best ways of removing small to moderate numbers of stinkbugs from the house. Vacuums work fast, but the odor of the distressed bugs may linger for some time after collection.

Insecticides, unless perhaps being used in a heavily infested attic, are not warranted for dealing with indoor stinkbugs. Killing the insects behind walls likely won't be successful, and being unable to get rid of their bodies may end up attracting something else looking to feed from them. Pest control companies likely won't spray stinkbugs in an indoor location either, but they may apply insecticides around the exterior of the building – near cracks and points of possible entry – in the fall. In this case, prevention is better than correction.

Like most invasive species, the brown marmorated stinkbug is expected to get progressively worse over time. At present, there are methods being developed to deal with them, - such as the discovery of a wasp which attacks brown marmorated stinkbug eggs - but in the meantime there is no simple way for dealing with these insects.

Source:

Information for the article is taken from *Stink Bug Infestation of Dwellings* written by Michael F. Potter & Ric Bessin. Electronic link available here: <https://entomology.ca.uky.edu/ef654>.

Fun Facts About Winter Holiday Plants!

Did you know that...

Poinsettias are the most popular holiday plants, coming naturally in red, pink, cream, salmon, yellow, and multicolor. Most blue, purple, or glitter types are actually just spray painted.



Poinsettias are short-day plants, meaning they flower when temperatures start dropping and the day length shortens. Greenhouses will put up shade cloths or artificially reduce the amount of light they're getting to ensure they'll bloom by Christmas.

Poinsettias contain a milky latex sap which is mildly poisonous. It can be irritating to the skin, damaging to the eyes, and make those who consume it feel nauseous – but it is not deadly as is often believed. The National Capital Poison Control Center mentions that

researchers have tried to find the fatal dose of the poinsettia plant, but couldn't, even after reaching doses of over 500 leaves. Even so, it is recommended to keep the plant out of reach of curious children or pets.

Poinsettias are tropical perennials and can be kept alive for many years. They are perfectly happy to hang out outside during the warmer months but will need to be brought inside when temperatures start dropping around 40 degrees Fahrenheit. Like the greenhouses, getting poinsettias to bloom again will require artificially decreasing how long the plant is exposed to sunlight.

There are three types of holiday cactuses, the Thanksgiving cactus, the Christmas cactus, and the Easter cactus, all named by around what time of year they bloom. They can be distinguished from one another by their leaf shapes and growth habits.

Holiday cactuses are easy to care for as long as they are not overwatered – they seem to almost thrive on neglect! They don't mind being pot-bound, can be left outdoors through the warmer months, don't need much fertilizer (maybe 3 times a year), and are easily propagated.

Holiday cactuses shouldn't be disturbed once they start producing buds. Moving the plant or changing its living conditions suddenly may cause those buds to fail.

The Cyclamen has unusual and long-lasting flowers. The petals are curved backwards, and they can bloom for up to three months.

In the Cyclamen's native Mediterranean home, they bloom during the rainy season (fall/winter) and go dormant in the dry season (spring/summer). Even as houseplants, Cyclamens still go dormant (yellowing/browning, and loss of leaves) for a few months around spring/summer which is commonly misinterpreted as the plant dying and results in them getting thrown out.

Holiday plants such as the Amaryllis, Paperwhite (narcissus), tulip, hyacinth, and daffodil are commonly sold as forced bulbs, which is when a bulb is tricked into blooming at the wrong time of year. These fast-growing plants are often grown in just a simple jar of water or a small pot without nutrients - which isn't necessary due to all the energy packed into their bulbs.



Neither Amaryllis nor Paperwhites need a rest period (or dormancy period) before reblooming, but it can take 1-2 years to get them to flower again since the forcing process can significantly deplete their energy reserves.

Christmas trees can be used as mulch or compost, firewood, decorations, or left outside or submerged to act as a wildlife habitat and food source.

Sources:

Growing and Caring for Poinsettia, Minnesota Extension - <https://extension.umn.edu/houseplants/poinsettia>
Holiday Cacti, Minnesota Extension - <https://extension.umn.edu/houseplants/holiday-cacti>
Are Poinsettias Poisonous?, Poison Control - <https://www.poison.org/articles/poinsettias>
Give your Christmas Tree Life After the Holidays, Georgia Extension - <https://newswire.caes.uga.edu/story/8821/christmas-tree-recycling.html>
Growing and Caring for Amaryllis, Minnesota Extension - <https://extension.umn.edu/houseplants/amaryllis>
Enjoying Paperwhite Narcissus in Winter, Pennsylvania Extension - <https://extension.psu.edu/enjoying-paperwhite-narcissus-in-winter>

Upcoming Classes/Programs:

Maintaining Garden Tools

Join Ken and Linda Pratt at the Extension Office on **Tuesday, February 21st at 6 p.m.** for a class all about how to keep and maintain your garden tools! Learn how to clean, sharpen, store, and stay safe while handling your tools. Please contact the Extension Office at 502-633-4593 to sign up.

Hands-On Fruit Tree Pruning

Come down to Byrnside Orchard (512 Old Seven Mile Pike, Shelbyville) and get some hands-on fruit tree pruning practice with cherry, plum, peach, apple, and pear trees! The class will be on **Wednesday, Jan 25th at 3 p.m.** (and will be moved to Feb 1st at 3 p.m. should the weather not cooperate). Dress warm and if you have your own pruning tools, please bring them (we'll have some available, and all tools will be sterilized before use). Contact (502) 633-4593 to sign up.

Stay tuned for a Vertebrae Pest Management Class coming in March!

Articles By: *A. Skye Drane*
 Skye Drane
 Horticulture Technician

4-H Camp Applications



Shelby County will attend camp at the beautiful Lake Cumberland 4-H Camp in Jabez County. A \$50 deposit will hold your slot when your initial paperwork is submitted. The cost of camp for 2023 will be \$295. We have space to accept 140 campers. After the slots are filled we will begin a waiting list and campers will be taken off the waiting list (in order) only if others drop out. 4-H Camp is open to all Shelby County youth ages 9-13. Campers must attend camp with the county in which they live or attend school. Campers stay in cabins that hold approximately 20 youth, with teens, counselors in training and adult leaders. **NEW** - for the first time ever campers will get to choose the classes they attend while at camp. Class signups will be on a first to register basis. Campers can choose from traditional camp activities as well as several new classes. Some of the traditional classes include canoeing, fishing, swimming, arts and crafts, archery, riflery and high ropes. Each night will end with everyone's favorite "Sally Down the Alley". This year's camp theme is "Time Warp".

Shelby County 4-H will also take applications for Teen Leaders. These teens are responsible for staying with the campers and taking them to and from classes, meals and group activities. They also organize cabin time and responsibilities. Teen Counselors help campers deal with any problems they might have, such as homesickness, or misplaced items. To serve as a Teen Counselor, youth should be 16-19 years of age by June 5. Teens must undergo an interview and provide letters of reference. All Teen Leaders will be required to attend a training upon selection. Applications are due by **March 13** and can be picked up at the Extension Office or printed off the 4-H website starting **February 1**.

Youth ages 14-15, who have completed their freshman year of high school can apply to serve as Counselors in Training (CITs). CITs serve many of the same functions as Teen Counselors, but cannot be left alone while supervising an entire cabin or a large group of campers. Because of space and monetary constraints, we can accept only a few CITs. Applications and letters of reference are due by

March 13 to the Extension Office. CITs will also be required to attend a training upon selection.

Finally, we are recruiting adult volunteers. We need adults (over 18 years old) to serve as Adult Counselors. Adults must have one full year out of high school to attend as an Adult Counselor. Responsibilities may include teaching a class, supervising a cabin and/or helping at group activities and meal times. Adults must undergo a background check and attend a training prior to attending camp.

If you have any questions concerning Shelby County 4-H Camp, please call the Extension Office.

(The Kentucky 4-H camping program is accredited by the American Camping Association.)

4-H Sewing Projects

4-H Sewing Projects will begin soon! These classes are open to all youth with an interest in learning to sew or to develop new sewing skills. Volunteers will work with youth to complete their 4-H Sewing Project.



4-H Sewing Workshops will be held at the Shelby County Extension Office on Mondays beginning on **January 30**. The 4-Her should come to the Extension Office immediately after school until 5 p.m. Meetings are **January 30, February 6, 13, 27 and March 6**.

Sewing at Heritage Elementary will be held on Tuesdays, beginning **January 17**. The workshops start immediately after school, or at 2:30 p.m., and run until 5 p.m.

Sewing machines will be provided. Space is limited for both locations. Registration is on a first-to-register basis. Call the Extension Office to get a registration information or for more information. Parents, grandparents, and others are welcome and encouraged to stay to help their child.

Youth can also complete a project with the help of a family member or friend. Please call the Extension Office first to get the requirements for your age group and project level, so your items will qualify for 4-H events and competitions. All completed projects are eligible to be entered in the Fashion Revue and Shelby County Fair. The 4-H Fashion Revue will be held on Thursday, May 4, 2022.

We are always looking for sewing volunteers. Anyone with basic sewing skills can be of assistance to the 4-H'ers. Please call if you would like to help with these projects.

4-H Achievement Banquet

A very special thank you goes out to all of our 4-H'ers and their families who attended the annual 4-H Achievement Banquet on December 1. We had over 150 4-H families and volunteers in attendance! It was great to hear all of the activities and accomplishments of Shelby County 4-H Clubs and members for the past year. Shelby County 4-H is strong and growing and we are very proud! There are so many special volunteers that make 4-H successful and we are very thankful for everything that they do.

We also want to thank all the families that brought food for the Backpack Project as our service project. They were very appreciative of the donations.

Special thanks goes to Wade Browning for serving as our emcee for the evening. He did a great job speaking and keeping the program moving.

The special award winners for the night included:

I Dare You! Awards:

Wade Browning
Virginia Sageser

Matt Edwards Outstanding Citizen Award:

Mirabella Koralia
Corra Brown



Outstanding Juniors:

Hunter Nagle
Luke Smith

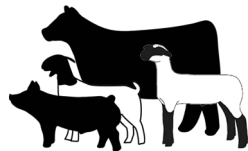


Outstanding Seniors:

Destiny Burke
Lily Roadcap

Educational Hours

Just a reminder that all youth that want to participate in livestock, dairy or horse projects must receive six hours of education under the direction of a certified leader each year. You must obtain these hours before your paperwork can be signed and submitted to show or participate in any district or state events. Do not wait to the last minute to get your hours!



4-H Communications Contests

All 4-H members are encouraged to participate in Communication's Day by giving a speech, presenting a demonstration or participating in the Variety Show. Shelby County 4-H Communications Day will be held on Thursday, March 9 at 6 p.m. at the Shelby County Extension Office. Registration forms can be found online and at the office. This is a wonderful opportunity to improve your communication skills. County winners will advance to the Area Communications Contest.

The 4-H Written Communications Contest is a state level competition for youth who have a passion for writing. Youth can enter songs, poems, essays, monologues, press releases and PSAs. Contact the Extension Office for more information. The county deadline is February 24, 2022.

4-H Day Camp Counselors

Shelby County 4-H is looking for teens ages 14-18 who would be interested in planning workshops, teaching youth and working with fellow teens to develop a day camp schedule and group activities. Day camp will be held July 12-14 at the Shelby County Extension Office from 9a.m.-3p.m. Campers will range in age from 8-12 and will register workshops based on their interests. Workshops will be designed and lead by teen counselors and should reflect your interests as well.


Being a Day Camp counselor takes a lot of time, commitment and responsibility. If selected, counselors will be required to meet on the first Thursday of each month from 5-6 p.m. at the Shelby County Extension Office. There will also be additional training days closer to the Day Camp date. These meetings are mandatory.

If you would like to apply to serve as a teen counselor for 4-H Day Camp please email candice.hollingsworth@uky.edu or pick up an application from the Extension Office. Applications are due back to the Extension Office by January 20. Applicants may be asked to setup an interview time prior to selection. If you have any questions please call 633-4593.

For any campers interested in attending Day Camp registration will be available in June.



Articles By:
Regina Browning 
Cooperative Extension Agent for 4-H Youth Development

Candice Hollingsworth 
Cooperative Extension Agent for 4-H Youth Development

CAIP Educational Meetings

As we move into winter and the Extension meeting season, producers planning to apply for CAIP funding in the 2022 funding cycle should be looking for opportunities to complete the educational component. Numerous classes will be offered from fall through April that will satisfy the requirement.

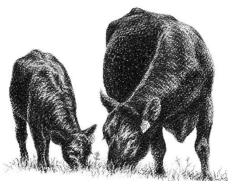


IF YOU SUBMIT AN APPLICATION, GO AHEAD AND FULFIL THE EDUCATIONAL REQUIREMENT DURING THIS TIME! Don't wait until the last minute to complete your educational training because classes are very limited during the late spring and summer months. Upcoming classes can be found in the bi-monthly Extension newsletter, on the Shelby County Extension Facebook page and on our website. You can also call the office at 633-4593 and ask about upcoming classes.

Here's a look at what you can expect (so far). Additional information can always be found on Facebook and/or the Extension website. More courses will be added as we navigate 2023.

Beef Basics

Beef Basics is a four-part series covering the basics of beef cattle production. Topics include Selection and EPDs, Herd Health, Nutrition, Pasture Management.



Dates for the series are **Thursdays from 6—8 p.m. January 12, 19, 26 and February 2.** Call 633-4593 to register.

Making Hay

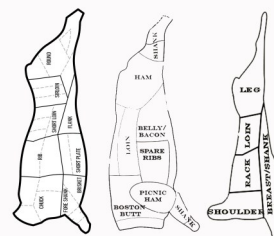
Making Hay is a two-part stored forages workshop. The first session will be held **Tuesday, January 24th from 6—8 p.m. at the Shelby County Extension Office.** Topics for this session include Species and Variety Selection, and Fermented Forages including an experienced producer panel.



The second session will be held **Tuesday, January 31 at the Henry County Extension Office.** Topics for this session include Bale Grazing, Hay Machinery and Forage Testing. Call 633-4593 to register for either or both sessions.

Raising the Steaks (& Chops)

Raising the Steaks (and Chops) is a four-part series about raising, processing and marketing beef, pork and lamb. Plans are still being made for this class, but the dates have been set. Sessions will be held **Tuesdays from 6:00—8:00 pm**, rotating among county Extension offices.



- February 28, Shelby County
- March 7, Trimble County
- March 14, Henry County
- March 21, Henry County

You will learn more about raising livestock through the finishing stage; discover the differences and similarities between finishing on grass or grain; learn from other producers' experiences; see how the finished product is processed; gain knowledge to increase marketing opportunities for your beef, pork and lamb.

Topics will include health and facilities, nutrition and finishing strategies, marketing and grading and processing.

Watch for more information on Facebook or call 633-4593 with questions or to register.

Tobacco GAP Training

Tobacco producers are required to receive Tobacco GAP (good agriculture practices) Training annually. This year's local training will be offered on **Tuesday, February 28, 9 a.m.—Noon**, at the Shelby County Extension Office. Producers should bring their GAPConnections Grower ID card to receive proper credit. Producers needing a grower ID or who have lost their card should visit www.gapconnections.com prior to the meeting.

In addition to the required GAP training update, Dr. Bob Pearce, UK Extension Tobacco Specialist, will provide a production update.

Please call 633-4593 to register.



UK Winter Wheat Meeting

Thursday, January 5, 9 a.m.—3 p.m. Central Time at the James E Bruce Convention Center, 303 Conference Center Dr. Hopkinsville.



Topics include

- Changes To The Pesticide Applicator Programs in 2023
- Managing Important Wheat Diseases With Fungicides
- Kentucky Weather And Climate Outlook, Trends, And Monitoring
- Improving IPM For Insect Control For Stored Grains
- Economics Of Fungicide Application Timing
- Soil Fertility Update, The Latest Research
- Weed Control In Winter Wheat Update
- Wheat Crop Condition Update
- Wheat Issues On The National Front

On-site registration begins at 8:30 a.m. central time. Email claurent@uky.edu for additional information.

Private Pesticide Training

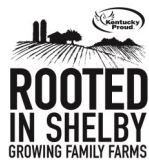


If your pesticide certification is expiring in 2023 or if you need a new certification, please plan to attend the certification class being offered on **Friday, January 13 at 9 a.m.** At the Extension Office. Call 633-4593 to sign up.

This will be one of a limited number of opportunities to receive pesticide training locally.

Rooted in Shelby

Rooted in Shelby members should plan to attend a membership meeting on **Thursday, February 16 at 6 p.m.** at the Extension Office.



Educational and marketing opportunities for 2023 will be the main topics of discussion. Call 633-4593 for additional information.

Think Ahead to Meet Winter Hay Needs

Source: Tom Keene, UK Plant and Soil Sciences hay specialist

Hay availability in Kentucky may be short this winter because of multiple, compounded issues. The variability of yield, quality and number of cuttings indicate the hay supply could get tight. It is important to protect the hay crop you have and use it wisely—that smart conservation and planning will help make hay last longer through the winter.

Due to weather events—droughts and floods—both hay quality and yield are down. To ensure an adequate amount of hay, farmers should enact several measures. Store hay inside a barn, where it will remain dry. Remember to store hay in

barns that have access in all types of weather. If that is not feasible, cover with a tarp to protect from the elements. Buy hay by the ton if possible and require certified stamped weight.

Testing is the first step to knowing how much will be necessary to meet the nutritional needs of the animals they feed, from horses to cattle to goats. Hay is tested primarily for crude protein, acid detergent fiber, neutral detergent fiber, total digestible nutrients and relative feed value. Get your hay tested by the Kentucky Department of Agriculture to determine if you need to buy additional hay. For more information, refer to University of Kentucky Cooperative Extension Service publication “Interpreting Forage Quality Reports,” at <http://www2.ca.uky.edu/agc/pubs/id/id101/id101.pdf>.

Farmers typically feed hay from mid-December until mid-March, approximately 110 days, though that will vary due to weather, pasture conditions and the needs of different animals. To reduce waste, you should get hay, whether round or square bales, off the ground, either by using pallets, feeders or hay carts. Doing this will help you reduce wasted hay by almost half. If that is not possible, feed in long rows so hay is immediately consumed, rather than leaving a round bale out for animals to pick at over time. They will consume the center of the round bale, which has remained dry and protected, first, and that judicious eating will greatly increase waste.

To determine hay needs:

- Calculate the number of days animals will need feed.
 - Weigh a random sample of bales using scales at feed mills or truck stops so you know the average weight of your bales.
 - With the results of a hay test, calculate how many pounds each animal will need daily.
- Determine the total amount of hay the herd will require over the winter.

Forward planning and good management practices will help ensure an adequate hay supply during the winter. Because hay is a commodity, with a price that relies on supply and demand, it is unlikely that prices decrease in the coming winter months. So, if you do not have enough, you should buy it now, before more buyers move into the market. A tight supply, plus possible hay purchases from bordering states, may possibly elevate what are already high prices. Straw is also likely to be expensive.

Articles By: *Corinne F. Belton*
 Corinne F. Belton
 Cooperative Extension Agent for
 Agriculture and Natural Resources



IT'S HERE!!!!

2022 - 2023 SHELBY COUNTY C.A.I.P. *County Agricultural Investment Program*

APPLICATION PERIOD

Thursday, January 5th – Thursday, January 26th

ALL APPLICANTS WILL BE NOTIFIED OF THEIR STATUS (APPROVED, WAITING LIST, OR DENIED) BY THE END OF FEBRUARY.

Applications and guidelines will be available beginning Thursday, **January 5th, 2023** and must be returned no later than 4:15 p.m. on Thursday, **January 26th, 2023**. It is **NOT** on a first come first served basis. *No faxed or emailed applications will be accepted.*

CAIP INFORMATIONAL MEETING: CAIP Informational Meeting – Thursday, January 5, 2023 @ 6:30 p.m. – Shelby County Extension Office

2022 INVESTMENT AREAS

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

Guidelines & applications may be picked up **January 5th – January 26th** between **8 a.m. & 4:15 p.m.** in the lobby at the:

Shelby County Extension Office

1117 Frankfort Road

Shelbyville, KY 40065

(502) 633-4593

Thursday, January 5th – Thursday, January 26th, download a printable application from <http://shelby.ca.uky.edu>

The cost-share limit for 2022 is \$2,500.00

50/50 Cost-Share

If you are approved and spend \$5000 or more, you will receive \$2500 in reimbursement. If you spend under \$5000, the amount reimbursed is 50% of what you spent.

The 2022 program is retroactive 6 months to May 28, 2022 and if approved, the project(s) must be completed and all required paperwork submitted on or before August 10, 2023.

Please call the Shelby County CAIP Administrator, Judy White at (502) 321-8757, or on Thursdays at the office between 10 a.m.– 4 p.m. at (502) 633-4593 with any questions regarding the County Agricultural Investment Program.



Sponsored by the Kentucky Agricultural Development Fund
Administered by Shelby County Farm Bureau, Inc.



JANUARY

AG	5	C.A.I.P Informational Meeting, 6:30 p.m.	Extension Office
FCS	7	First Saturday Walkabout, 8 - 8:30 a.m.	Clear Creek FAC
4-H	9	Fur & Feathers Rabbit & Poultry Club, 6:30 p.m.	Extension Office
4-H	9	Livestock Club, 7 p.m.	Extension Office
FCS	10	Soup Sharing, 11 a.m. - 1 p.m.	Extension Office
FCS	10	Sewing Circle	Extension Office
4-H	12	Saddles N Spurs Horse Club, 7 p.m.	Extension Office
	12		
AG	19	Beef Basics, 6-8 p.m.	Extension Office
	26		
AG	13	Private Pesticide Certification, 9 a.m.	Extension Office
AG	17	Shelby County Cattlemen's Assn., 7 p.m.	Extension Office
4-H	16	Dairy Club, 6:30 p.m.	Extension Office
FCS	19	Laugh & Learn Play Date, 10 a.m.	Extension Office
4-H	19	Imagination Club, 4-6 p.m.	Extension office
HORT	25	Hands-On Fruit Tree Pruning, 3 p.m.	Byrnside Orchard
AG	24	Making Hay, 6 p.m.	Extension Office
4-H	26	Cloverbuds, 6-7 p.m.	Extension Office
AG	31	Making Hay, 6-8 p.m.	Henry Co. Ext. Office

FEBRUARY

AG	2	Beef Basics, 6 p.m.	Extension Office
FCS	4	First Saturday Walkabout, 8 - 8:30 a.m.	Clear Creek FAC
FCS	7	Cultural Arts Exhibit, 11:30 a.m.—1 p.m. (public viewing)	Extension Office
4-H	9	Saddles N Spurs Hose Club, 7 p.m.	Extension Office
4-H	13	Fur & Feathers Rabbit & Poultry Club, 6:30 p.m.	Extension Office
4-H	13	Livestock Club, 7 p.m.	Extension Office
FCS	14	Sewing Circle	Extension Office
FCS	16	Laugh & Learn Play Date, 10 a.m.	Extension Office
AG	16	Rooted in Shelby Membership Meeting, 6 p.m.	Extension Office
4-H	20	Dairy Club, 6:30 p.m.	Extension Office
HORT	21	Maintaining Your Garden Tools, 6 p.m.	Extension Office
4-H	23	Cloverbuds, 6-7 p.m.	Extension Office
AG	28	Raising the Steaks (& Chops), 6-8 p.m.	Extension Office
AG	28	Tobacco GAP Training, 9 a.m.– noon	Extension Office

CALENDAR OF EVENTS

KEY

4-H
4-H Youth
Development

AG
Agriculture

HORT
Horticulture

FCS
Family and
Consumer
Sciences

*** PUBLIC NOTICE-Accommodations will be made to enable persons with disabilities to participate in programs.**



College of Agriculture,
Food and Environment
Cooperative Extension Service

Cooperative Extension Service

*University of Kentucky
Shelby County
1117 Frankfort Road
Shelbyville, KY 40065-9447*



RETURN SERVICE REQUESTED

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