

All Farmer Newsletter

Fall 2023

Cooperative Extension Service
Simpson County
300 N Main St
Franklin, KY 42134
270-586-4484
simpson.ca.uky.edu

Preventing & Managing Fall Pests in Your Home

Source: Jonathan Larson, UK Entomology Assistant Professor of Extension

As temperatures go down this fall, you may notice more insects around your home. Insects often retreat indoors to escape the cooler temperatures as a part of their overwintering strategy.

As pests mistake your home for a heated pile of rocks, you may see hundreds, even thousands, of insects around your home this fall and winter. The most common autumn home invaders you may see are multicolored Asian ladybeetles and the brown marmorated stink bug. Brown marmorated stink bugs tend to be the first invader with the multicolored Asian lady beetle following about a month later. The lady beetle is sometimes called the Halloween beetle for its coloration and the fact that people usually start to notice them in October.

While cooler temperatures have begun, you still have ways to pest-proof your home before pests make their mass exodus to warmer hideaways.

Inspect the exterior of the property and look for gaps in windows and doors, holes in screens, openings in caulk or other sealants and fix them. Without these easy entry points, insects have a tougher time coming inside.

Pesticide applications on the outside of the home may also provide some relief but timing is crucial. When using pesticides, focus on doors, windows, utility openings and banding around the foundation. Make sure to check the label of the pesticide to make sure you can apply it to the necessary areas.

Since the primetime for pesticide application has passed, if you see clusters of pests on the exterior of your home, you may also spray them with soapy water to kill them before they start squeezing their way inside.

Once the pests have come into your home, it is best to manage them simply by vacuuming or sweeping them up for disposal. Interior pesticide applications are usually unnecessary, especially “bug bomb” type applications which usually don’t reach the hiding spots of overwintering pests.

For more information about pest prevention and management, contact the Simpson County Cooperative Extension Service at (270) 586-4484.

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Ag Report

Remember to tune your radio to 92.3 FM WFKN at 8:05 a.m. every Tuesday and Thursday morning for the Extension Agriculture report.



Jason R. Phillips

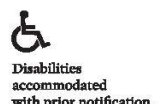
County Extension Agent for Agriculture & Natural Resource Education

MARTIN-GATTON COLLEGE OF AGRICULTURE, FOOD AND ENVIRONMENT

Cooperative Extension Service

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

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.



Beef Cattle SEEDSTOCK SYMPOSIUM

OCTOBER 17
Fayette County Kentucky
Extension Office, Lexington,
KY
8:30 AM - 3:30 PM

To register for the Lexington, KY event please go to <https://www.eventbrite.com/e/709667262887?aff=oddtcreator>

OCTOBER 18
Barren County Kentucky
Extension Office, Glasgow,
KY
8:30 AM - 3:30 PM

To register for the Glasgow, KY event please go to <https://www.eventbrite.com/e/709673651997?aff=oddtcreator>

OCTOBER 19
Middle Tennessee
AgResearch and Education
Center, Spring Hill, TN
8:30 AM - 3:30 PM

To register for Spring Hill, TN event please go to <https://www.eventbrite.com/e/709676941837?aff=oddtcreator>

Eventbrite will have more information for each location.

MORE INFORMATION
This program is designed for seedstock producers that are marketing bulls to commercial and/or other seedstock producers. The cost for each location is \$25.

QUESTIONS
If you have any questions or would like a paper registration email Maggie.Ginn@uky.edu.

KADF KENTUCKY AGRICULTURAL DEVELOPMENT FUND
KBN KENTUCKY BEEF NETWORK

Beef Cattle Seedstock Symposium

October 17-19, 2023

8:30 -Registration

8:50 - Welcome

9:00 - **The Evolution of Selection Tools**
Dr. Darrh Bullock, University of Kentucky

10:00 - **Impracting the Quality of EPDs for You and Your Customers**
Dr. Matt Spangler, University of Nebraska

11:00 - **Practical Feeding Strategies for Your Bulls**
Dr. Katie Mason, University of Tennessee,
Dr. Katie VanValin, University of Kentucky

11:45 - **What are Genomics and How do They Help?**
Dr. Troy Rowan, University of Tennessee

1:30 - **Bull Reproduction and Health Considerations**
Dr. Saulo Zoca, University of Tennessee

2:30 - **Putting Selection Tools to Work (EPDs and Indices)**
Dr. Matt Spangler, University of Nebraska

3:30 - **Does Genetic Information Matter in the Bull Market?**
Dr. Charley Martinez, University of Tennessee

UK Martin-Gatton College of Agriculture, Food and Environment
UEXTENSION INSTITUTE OF AGRICULTURE THE UNIVERSITY OF TENNESSEE
KBN KENTUCKY BEEF NETWORK
KADF KENTUCKY AGRICULTURAL DEVELOPMENT FUND

Beef Seedstock Symosiums Set for October

Dr. Darrh Bullock, Beef Extension Professor, University of Kentucky

University of Kentucky Beef Extension in partnership with the University of Tennessee Cooperative Extension will be conducting a Beef Seedstock Symposium on October 17 (Fayette County Kentucky Extension Office, Lexington), October 18 (Barron County Kentucky Extension Office, Glasgow) and October 19 (Middle Tennessee AgResearch and Education Center, Spring Hill). This program is specifically designed to assist beef cattle seedstock producers that market bulls to commercial and/or other seedstock producers. There will be a major focus on genetics (EPD, genomics, indexes), but we will also cover topics on nutrition, health, bull fertility and marketing strategies. Speakers from the University of Kentucky, the University of Tennessee, and our featured speaker Dr. Matt Spangler from the University of Nebraska will cover these topics. There will be a cost of \$25 to attend and pre-registration is required (space is limited). Lunch and educational resources will be provided. To receive a flyer, a detailed agenda and a mail in registration form you can email Maggie Ginn at Maggie.Ginn@uky.edu or you can go directly to the registration site (links below) to see the agenda and register with a credit card if interested. The Kentucky portion of this program is in coordination with the Kentucky Beef Network and funding was generously provided by the Kentucky Agricultural Development Fund.

Lexington: <https://www.eventbrite.com/e/709667262887?aff=oddtcreator>

Glasgow: <https://www.eventbrite.com/e/709673651997?aff=oddtcreator>

Spring Hill: <https://www.eventbrite.com/e/709676941837?aff=oddtcreator>

Ways to Prevent Prussic Acid Poisoning in Livestock

Source: Chris Teutsch, UK Forage Extension Specialist, Jason Phillips, Extension Agent for Agriculture & Natural Resources

We usually experience frost/freeze events starting around the 20th of October in Simpson County. Some years it can occur a little earlier or later, but rest assured it is on the way. When this happens, prussic acid poisoning is a real concern, especially for those who graze their animals on sorghum-based forages like forage sorghum, sorghum-sudangrass, sudangrass and johnsongrass. Johnsongrass is typically the most problematic of all of these because it grows volunteer in many of our pastures. By taking proper precautions, you can prevent prussic acid poisoning in your animals.

Prussic acid poisoning occurs when livestock graze sorghum-based pastures shortly after the field experiences a traumatic event, such as frost. These forages can accumulate high levels of cyanide-producing compounds in their outer cells. Further inside these plants are enzymes that can convert the compounds into the poison. Frosts cause plant cells to rupture, which allows cyanide-producing compounds and enzymes to mix. If consumed by livestock, the compounds will interfere with how their bodies use oxygen, and it can rapidly result in death. Ruminants are especially susceptible to prussic acid poisoning, because they have enzymes inside of their rumen that are also capable of converting the cyanogenic compounds into the poison.

Do not allow your animals to graze fields containing sorghum-based forages for at least two weeks after a non-killing (>28 degrees F) frost, even if it's patchy. A killing frost occurs when temperatures reach 28 degrees F or less for more than 2 hours. Do not allow the animals to graze after a killing frost until plant material is completely dry and brown. Once it has completely dried down the prussic acid will convert to cyanide gas and volatilize into the atmosphere leaving the plant safe for consumption.

You can cut sorghum-based forages for hay after a frost, but make sure the hay is properly cured before baling. During the curing process, prussic acid volatilizes and renders the forage safe for livestock feeding.

In most cases, you can ensile sorghum forages for baleage, because the ensiling process reduces cyanide compounds in the forage. Delay feeding the baleage six to eight weeks after ensiling to allow the fermentation process to finish and toxin levels time to decrease. If your forage has particularly high toxin levels at ensiling, you should have the baleage tested before feeding it to livestock.

Regularly test your soils and apply nutrients according to recommendations. Soils that are high in nitrogen and low in potassium and phosphorus have a higher potential of causing plants to produce prussic acid.

A rapid field test is available that can provide on-site results. Contact the Simpson County Extension Service by calling (270) 586-4484 or stop by 300 N. Main St. for more information.



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4:00 PM TO 8:00 PM | DOWNTOWN FRANKLIN KY SQUARE

SATURDAY, OCTOBER 21

All activities are FREE!

ACTIVITIES STREET

Interactive Agriculture Games
(Includes Petting Zoo and Pony Rides)



TRICK OR TREATING

Area businesses will be on the courthouse lawn for Trick or Treating. (Children ONLY)



COSTUME CONTEST

Registration begins at 4:00 in the bandstand area. Cash prizes will be awarded!

HAUNTED SCAVENGER HUNT

The scavenger hunt is from 6:00 PM to 8:00 PM. Clues will lead you around downtown but all locations will be a very short walk so it will be fun for the whole family. Registration will be in front of the courthouse steps.



Food vendors from 4:00 pm to 8:00 pm.

Boofest is presented by Franklin-Simpson Renaissance, Franklin-Simpson Fair Board, Simpson County Tourism, Franklin-Simpson Community Arts Council



Simpson County Residents: Once you have completed the survey, scan the below QR code to register for a chance to win a Cooler (\$100 value)



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

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Family and Consumer Sciences
4-H Youth Development
Community and Economic Development

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

Wanted: Beef cattle producers for an internal parasite field study

Sources: Jeff Lehmkuhler, UK Extension Professor, Dr. Michelle Arnold, UK Associate Professor and Extension Veterinarian

Internal parasites impact animal performance and immunity. Research shows weaning weights of calves burdened with internal parasites are 20-35 pounds lighter. We want to learn more about the prevalence of internal parasites and the efficacy of products available on the market. Most of the anthelmintic products for livestock have been on the market for decades and concerns regarding their effectiveness have been mentioned. We need your help.

Kentucky Cooperative Extension, Kentucky Beef Network and Merck Animal Health, are joining to recruit 100-120 farms to participate in a Fecal Egg Count Reduction Test (FECRT) in beef cattle this fall. Several producers participated in the effort this spring and will participate again this fall. We are looking for an additional 20-30 farms.

Who can participate?

The team wants to gather more information on growing cattle. This includes calves you will wean and hold for at least 14 days, backgrounding/stocker operations buying in fall calves and those developing replacement heifers. We can sample mature cows as well if you have them on the farm.

How many animals do we need?

We need producers who have at least 20 animals in a group. These animals must stay together in a group for at least 14 days after deworming. We cannot collect samples from 15 calves and five cows to reach the 20 samples needed.

What do participating producers need to do?

You'll need to collect fecal samples from at least 20 different animals immediately before you treat for internal parasites. Then exactly 14 days later, collect 20 fecal samples from different animals to examine the difference in fecal egg counts between PRE and POST treatment. Producers may grab samples from freshly excreted fecal pats in the pasture, this works well for POST samples. You will need to send samples to the lab for counting and the lab will send results you/your county extension agent.

What does it cost?

The service is free except for your time and the money to purchase the product you choose to collect samples.

How do I join the study?

Contact the Simpson County Extension Office and speak to Jason Phillips, Extension Agent for Agriculture and Natural Resources if you wish to participate at least three weeks before you plan to work cattle. For more information about beef cattle and other topics, contact the Simpson County Extension Service.

Tips & Reminders

Don't forget to take advantage of the many services offered by Extension!

- Soil Testing
- Nitrate Testing
- Manure Testing
- Plant Disease Diagnostics
- Weed & Insect Identification
- Seed Testing Services
- On-farm visits
- Quality Analysis (Hay probe available for check out)

These are just a few of the services that local citizens have the opportunity to utilize.

To learn more, come see us at 300 N. Main St!



@SimpsonCES



Corn harvest in Simpson County.

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 pre-registration 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 Wise

Webinar #1: *Do multiple corn fungicide applications pay?*

November 2, 2023

Registration: https://zoom.us/webinar/register/WN_CfQFt0dQSng5ifdnaSre7A



Dr. Carl Bradley

Webinar #2: *What have we learned from nearly two decades of research on soybean with foliar fungicides?*

November 9, 2023

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



Dr. Travis Legleiter

Webinar #3: *Managing the offensive spread of weeds*

November 16, 2023

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



Dr. Raul Villanueva

Webinar #4: *Insects in field crops during two years of partial drought and heat wave*

November 30, 2023

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



2023 SOKY COMMERCIAL PESTICIDE TRAINING

\$50 per person/day | NOVEMBER 20, 2023



Logan County Extension Office
255 John Paul Rd Russellville, KY 42276
270-726-6323 or 270-586-4484

KY CEU's : 1 CEU for each Category (cat. 3,4,6,11)
TN CEU's : Requested
CCA CEU : SW 1, IPM 2, CM 1, PD 1, PA 1

- 9:00 - 9:50 am Furrow Fungicides & Seed Treatment
- Dr. Kiersten Wise
- 10:00 - 10:50 am Right of Way Vegetation Control
- Mr. Darryl Burks, KY Dept. Transportation
- 11:00 - 11:50 am Pest Control in Aerial Applications
- Jeremy Sandifer, KSU
- 11:50 - 12:20 pm Lunch
- 12:20 - 1:10 pm Crop Sprayer Calibration
- Dr. Travis Legleiter
- 1:10 - 2:00 pm Transportation Regulations
- KSP, Sargent Jason Morris
- 2:00 - 2:50 pm Lawn & Turf Pest Management
- Dr. Kenneth Clayton
- 2:50 - 3:00 pm Evaluations & Wrap Up

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



BBQ Venison Meatballs

Meatballs

- 1 pound ground venison (may substitute elk or beef)
- 1/2 cup 2% milk
- 3/4 cup rolled oats
- 1/2 cup minced fresh onion
- 1/4 teaspoon salt
- 1/4 teaspoon black pepper

Sauce

- 1 cup ketchup
- 1/2 cup water
- 1/2 cup grated onion
- 2 tablespoons vinegar
- 1/4 cup brown sugar
- 1/4 teaspoon black pepper

Combine venison, milk, oats, onion, salt, and pepper in a large bowl. Use a sturdy spoon or clean hands to mix well. Shape meat mixture into 12, 1-inch balls, and place in a shallow 9-by-13-inch baking pan. Combine all the sauce ingredients in a bowl and stir well. Pour sauce over meatballs. Bake uncovered at 350 degrees F for 1 hour, turning over twice.

Yield: 6 servings

Adapted from: "Fish & Game Cookbook," Bonnie Scott. 2013.

Nutrition Facts

6 servings per recipe
Serving size 2 meatballs (139g)

Amount per serving
Calories 160

	% Daily Value*
Total Fat 3g	4%
Saturated Fat 1g	5%
Trans Fat 0g	
Cholesterol 65mg	22%
Sodium 220mg	10%
Total Carbohydrate 14g	5%
Dietary Fiber 1g	4%
Total Sugars 6g	
Includes 3g Added Sugars	6%
Protein 20g	
Vitamin D 0mcg	0%
Calcium 43mg	4%
Iron 3mg	15%
Potassium 322mg	6%

* 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.



This institution is an equal opportunity provider. This material was funded by USDA's Supplemental Nutrition Assistance Program — SNAP.



University of Kentucky
College of Agriculture,
Food and Environment
Cooperative Extension Service



Calendar of Events

*October 18	Beef Cattle Seedstock Symposium Barren County Extension Office, Glasgow, 8:30 a.m. – 3:30 p.m.
October 21	BOOfest Franklin Town Square, 4:00 p.m. – 8:00 p.m.
October 27	4-H Ribeye Sale Extension Pavilion, 10:30 a.m. – 1:00 p.m.
October 30	Simpson County Extension Council Meeting Location: TBD
*October 31	Kentucky Grazing Conference Hardin County Extension Office, Elizabethtown, 7:30 a.m. – 3:30 p.m. CDT
*November 2	UK Crop Protection Series, Do Multiple Corn Fungicide Applications Pay? Zoom - 9 a.m., email jason.phillips1@uky.edu for registration link
*November 9	Kentucky Fencing School KY Soybean Board, 1000 Hwy 62 West, Princeton, 8:00 a.m. – 4:30 p.m.
*November 9	UK Crop Protection Series, What Have We Learned from Nearly Two Decades of Research on Soybean with Foliar Fungicides? Zoom – 9 a.m., email jason.phillips1@uky.edu for registration link
November 9	4-H Recognition Banquet Southern KY Community & Technical College, Franklin, 6:00 p.m.
*November 14	Simpson County Cattlemen’s Association Location: TBD, 6:00 p.m.
*November 16	UK Crop Protection Series, Managing the Offensive Spread of Weeds Zoom – 9 a.m., email jason.phillips1@uky.edu for registration link
November 20	SOKY Commercial Pesticide Training Logan County Extension Office, 8:30 a.m. – 3:00 p.m.
November 22-29	National Farm-City Week
November 23-24	Simpson County Extension Office closed – Thanksgiving Holiday
*November 30	UK Crop Protection Series, Insects in Field Crops During Two Years of Partial Drought and Heat Wave Zoom – 9 a.m., email jason.phillips1@uky.edu for registration link
December 25- January 1	Simpson County Extension Office Closed-Christmas and New Year Holiday
*January 30	Simpson/Butler Beef Cattle Management Short Course Zoom, 6 p.m. – 7 p.m.
*February 6	Simpson/Butler Beef Cattle Management Short Course Zoom, 6 p.m. – 7 p.m.
*February 8	Kentucky Alfalfa & Stored Forage Conference Bowling Green, KY
*February 13	Simpson/Butler Beef Cattle Management Short Course Zoom, 6 p.m. – 7 p.m.

*** Denotes this meeting qualifies for the CAIP Educational Requirement**

Based on Kentucky Office of Agricultural Policy (KOAP) guidelines, participation in CAIP requires the applicant to complete a minimum of one (1) educational component prior to the disbursement of funds related to farm management, production, best management practices or marketing. Eligible sessions include extension-sanctioned activities, such as workshops, seminars, field days, on-line courses, webinars, etc. Note that the informational Zoom meeting on February 10th will not qualify for the educational component.