



Jessamine County
Agriculture



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

AGRICULTURE NEWS

AGRICULTURE & NATURAL RESOURCES

Cooperative
Extension Service
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November 2023

Happy Thanksgiving!



UK Beef Student Seminar Presentations

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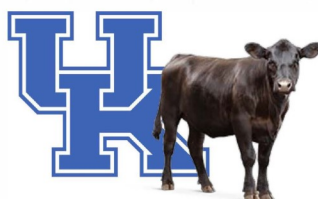
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Come Join Us For Presentations On:

- Reproduction
- Health
- Genetics



Presentations will be given by students of the University of
Kentucky ASC 406 Beef Cattle Science class.

Tuesday
December 5th, 2023
Light Meal: 6:00 pm
Presentations: 6:30 pm

Pre-register by
December 1st
by calling
(859) 885-4811

Meets CAIP Education Requirements

Jessamine Co. Extension Office | 95 Park Dr., Nicholasville, KY 40356

Cooperative Extension Service
Agriculture and Natural Resources
Family and Consumer Sciences
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LEXINGTON, KY 40546



Disabilities
accommodated
with prior notification.

Upcoming Events in Agriculture

Nov 1	KY Grazing Conference	6:30p @ Jessamine County Extension
Nov 7	KY Fencing School	Nov 23-24 Thanksgiving Holiday (Office Closed)
Nov 9	Jessamine County Goat Producers	Dec 4 C-KY Hay Contest Awards Program
	6:00p @ Jessamine Extension	6:00p @ FayetteCo. Extension (see flyer)
Nov 16	Winter Strategies for Your Garden	Dec 5 UK Beef Student Seminars
	5:00p @ Jessamine Co. Library	6:00p @ Jessamine Extension (see Page 1)
Nov 20	Jessamine County Cattlemen	
	6:30p @ Jessamine County Extension	
Nov 21	Antique Tractor Meeting	

For more information on any of these programs, please contact the Jessamine County Extension Office



Cook Wild
KENTUCKY

Deer Camp
Breakfast
Sausage

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

USDA Supplemental Nutrition Assistance Program
Putting Healthy Food Within Reach

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

Healthy Recipe From Cook Wild Kentucky

Deer Camp Breakfast Sausage

- 2 pounds ground venison
- 1 pound ground pork
- 1 teaspoon dried marjoram or oregano
- 1 tablespoon dried sage
- 1 tablespoon dried basil
- 1 teaspoon dry mustard
- 1 teaspoon salt
- ½ teaspoon pepper
- 1 egg, beaten
- ¼ cup bread crumbs
- ¼ cup cooking oil

Combine meat and seasonings. Add egg and bread crumbs. Stir well. Shape into 16 patties. Fry in oil until golden brown on each side and internal temperature reaches 165 degrees Fahrenheit.

Yield: 16 servings

Adapted from "Wild Game: From Field to Table," Sandra Bastin, PhD, RD, Extension Food and Nutrition Specialist. Revised July 2007

Nutrition Facts	
16 servings per container	
Serving size	1 patty (92g)
Amount per serving	190
Calories	% Daily Value*
Total Fat 12g	15%
Saturated Fat 4.5g	23%
Trans Fat 0g	
Cholesterol 75mg	25%
Sodium 220mg	10%
Total Carbohydrate 1g	0%
Dietary Fiber 0g	0%
Total Sugars 0g	
Includes 0g Added Sugars	0%
Protein 18g	
Vitamin D 0mcg	0%
Calcium 14mg	2%
Iron 2mg	10%
Potassium 272mg	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.



Upcoming Opportunities:

Jessamine County Goat Producers

October 9th—Jessamine County Extension Office @ 6:30p

Winter Strategies for Working in Your Garden

November 16—5:00p @ Jessamine County Public Library
 Registration is required. Contact Amy Bessin at: (859) 885-3523 or email ABessin@jesspubib.org
 (Meets CAIP Education Requirements)

Jessamine County Cattlemen Association

November 20— 6:30p, Monthly Meeting @ Extension Office

Thanksgiving Holiday

November 23,24—Jessamine County Extension Office Closed

2023 Central Kentucky Hay Contest Awards Program

December 4th, 6:00p @ Fayette County Extension
 (see flyer for details)

University of Kentucky Beef Students' Seminars

December 5th, 6:00p @ the Jessamine County Extension Office
 See Page 1 for details
 (Meets CAIP Education Requirements)

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@ Jessamine County Agriculture



Community Needs Survey

It's Community Assessment time. Take our ten-minute survey to help us develop programs addressing needs in our community. Scan the code below or visit: go.uky.edu/serveKY



Housing Designs for Backyard Poultry Flocks

“Accessibility, safety, exterior appearance, and appropriateness of design are important aspects of housing for your poultry flock”

Accessibility, safety, exterior appearance, and appropriateness of design are important aspects of housing for your poultry flock.

Before you begin building, consider how you will access and maintain your poultry housing. Choose a design that allows for easy access to nests, perches, feeders, and waterers. Suitable access will make it easier to clean all areas of the coop.

When designing, building, and maintaining your coop, take action to prevent possible injury to you or your birds. Remove any loose or ragged wire, nails, or other sharp-edged objects from the coop. Ensure that the birds can perch on only roosts that you provide. Remove or eliminate access to other perching areas, such as windowsills, nest box tops, or electric cords, whenever possible.

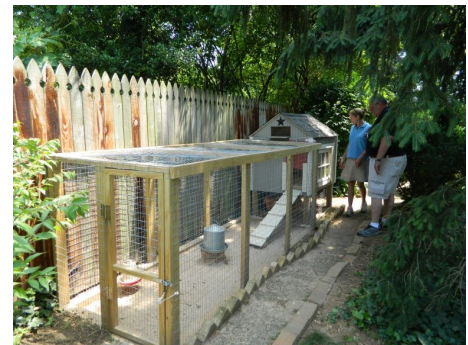
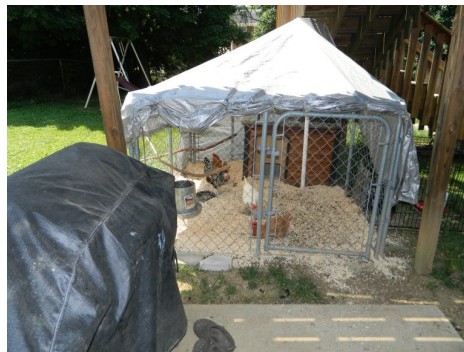
If your poultry house is visible to your neighbors, you may want to ensure

that it does not detract from the overall appearance of its surroundings. You can improve the looks of your poultry coop by painting and properly maintaining the exterior. Removing weeds and trash from around the coop not only enhances its appearance but also helps with rodent control. Landscaping can screen your poultry coop from neighbors as well as help muffle the sounds your flock produces.

Choose a poultry housing design that meets your particular needs. The University of Wisconsin has plans for a small pasture poultry ark.

There is no perfect housing design for urban poultry. Below are other examples of actual urban poultry housing to give you some ideas.

(Photos by Dr. Jacquie Jacob, University of Kentucky)



Free Soil Testing for Jessamine County Residents

Soil testing is a soil-management tool we use to determine the fertility of soil as well as the optimum lime and fertilizer requirements for crops. Fall is the best time of year to test your soil. Most nutrients take some time to break down and become available to the plant. If you give them all winter to break down, by the time you are ready to plant in the spring, the plants can better take up the nutrients.

All Kentucky county extension offices offer help with soil testing. Just bring a soil sample to your county extension office and they will send it to UK's Division of Regulatory Services and within a few days you will have the results. Testing doesn't cost much and you may use the results for everything you grow from trees and flowers to fruits and vegetables.

When taking a soil sample, remember plants have shallow roots that lie within the top 6 to 12 inches of soil. Use a trowel to dig down

about 6 to 8 inches and collect approximately two cups of soil per sample. Put the sample in a plastic bucket since a metal bucket may taint the results. When you bring the sample to your county extension office, they will put it into a soil test bag along with some information you provide and soon you will have your test results. It will save you some money and it is good for the environment.

Soil Testing is currently free for Jessamine County residents, up to two samples per homeowner and six per farmer.



“Soil Testing is currently free for Jessamine County residents, up to two samples per homeowner and six per farmer.”

Forage Timely Tips

- Apply 30-40 lbs/N/acre to strengthen cool-season grass sods going into winter.
- If not already done, inventory hay and assess hay quality.
- Using a plate meter or grazing stick, estimate stockpile available for winter grazing.
- Adjust animal numbers or purchase additional hay to balance forage-feed supply to livestock needs.
- Graze crop residues and cover crops that will not overwinter. Be careful to avoid fields that contain johnsongrass that have recently frosted.
- Graze winter annuals that will not overwinter such as brassics and oats.
- Graze other winter annuals once they are 6-8 inches tall and are well anchored. Do NOT graze closer to 4 inches.
- Sugar content will rise in tall fescue with the cool temperatures and short days of fall. Alkaloid content of tall fescue can also be high in certain years, but will begin decline after a hard freeze.
- Talk with local conservationist about developing a grazing plan and cost-share opportunities.

Preemergence Herbicides for Kentucky Lawns

Kenneth Clayton, Plant and Soil Sciences, and Beth Wilson and Jason Vaughn, Cooperative Extension Service

What Are They?

Herbicides are used to control unwanted plants in many different locations. Postemergence herbicides are sprayed on actively growing weeds. In turfgrass, several herbicides are used to control weeds *before* they germinate and begin to grow. These are called “preemergence herbicides” and are commonly sold as “weed preventers.” They control germinating weed seeds and subsequent growth. Therefore, to be effective, preemergence herbicides must be present in the upper soil surface before weed seeds germinate. Some common preemergence herbicides are listed in Table 1.

How Do They Work?

To use these preemergence herbicides effectively, the user needs to understand what weeds germinate from seed each year. For example, crabgrass is an annual weed germinating in early spring in Kentucky. The best control of crabgrass is achieved using preemergence herbicides to disrupt its germination. Preemergence herbicides are not effective on perennial weeds that emerge from vegetative structures instead of seed.

Why Should I Use Them?

- When weeds are controlled as they germinate, it can reduce the need for further postemergence treatments.
- Preemergence herbicides may be safe to use around well-established plants in the landscape. **Always read and follow the herbicide label.**
- Preemergence herbicides are the best treatment for several problematic turfgrass weeds, such as crabgrass and goosegrass, which have limited options for postemergence treatments.
- Since summer temperatures do not favor cool-season lawn grasses in Kentucky, preemergence herbicides can help control weed seeds that germinate in late summer and early fall when desirable grasses are less competitive.



Figure 1. Preemergence herbicide in the spring is effective at controlling common summer weeds, such as goosegrass (a) and crabgrass (b).

When to Apply

An application of a preemergence herbicide in the spring is an effective way to control many common summer annual weeds in Kentucky lawns, such as crabgrass, foxtail, and goosegrass (Figure 1). Germination of this warm-season weed seed is regulated by soil temperature. For example, research shows that crabgrass germination begins when soil temperatures reach 57°. For effective control of crabgrass and other warm season grassy weeds, preemergence herbicides should be applied in the spring when soil temperatures reach an average of 50°-55° for approximately five days.

Soil temperature data can be found online with some weather reporting services. One source with soil temperature recordings is the Kentucky Mesonet website (kymesonet.org). Two-inch soil temperatures are measured daily at approximately 40 locations across the state. As spring temperatures can fluctuate from day to day it is important to aim for 50°-55° daily average soil temperature for five days. Soil temperatures may also be tracked with a soil thermometer or an inexpensive meat thermometer. Measurements should be made to a depth of two inches.

Traditionally, turf managers have also relied on plants as indicators for soil temperatures. The yellow bloom of forsythia is a signal that soil temperatures are ideal for warm-season annual grasses, such as crabgrass, to begin germination. While forsythia bloom is a tool managers can use, bloom times can vary based on the plant’s environment; therefore, monitoring soil temperature data is a more precise way to predict weed seed germination. To be effective, the application of preemergence herbicides must be timely.

Winter annual weeds, such as henbit, purple deadnettle, and common chickweed, can also be a problem for Kentucky lawns and can be controlled by preemergence herbicide applications (Figure 2). A late summer to early fall application is needed to prevent winter annual germination.

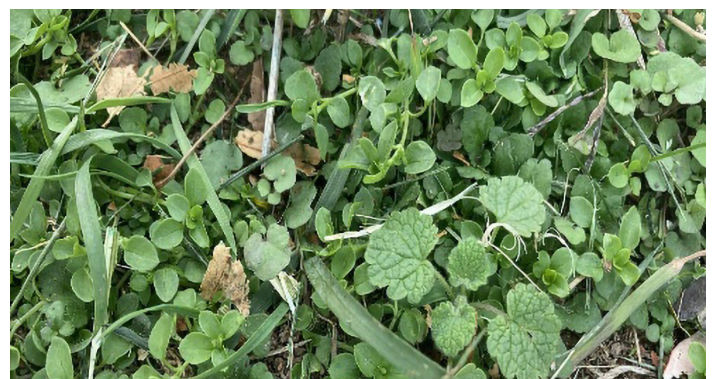


Figure 2. Winter annual weeds, such as common chickweed and purple deadnettle, can be controlled by preemergence herbicide applications in late summer or early fall.

Table 1. Common Preemergence Herbicides for Turfgrass.

For use on cool- or warm-season grasses.*			
Active Ingredient	Common Name	HRAC+	Notes
Bensulide	Bensumec	0	
Dithiopyr	Dimension	3	
Dithiopyr + Isoxaben	Crew	3+21	
Isoxaben	Gallery	21	Controls selected broadleaves, but will not control crabgrass or goosegrass emergence.
Pendimethalin	Pendulum	3	
Prodiamine	Barricade	3	
Prodiamine + Isoxaben	Gemini	3+21	
Prodiamine + Quinclorac	Cavalcade PQ	3+4	Quinclorac is a postemergence herbicide.
Sulfentrazone + Prodiamine	Echelon	14+3	Sulfentrazone also has postemergence activity.
For use on warm-season grasses only*			
Active Ingredient	Common Name	HRAC	Notes
Dimethenamid	Tower	15	
Dimethenamid + Pendimethalin	Freehand	15+3	
Indaziflam	Specticle	29	
S-metolachlor	Pennant Magnum	15	

*Read all labels carefully to ensure turf species and location of application are labeled for use.

+Herbicide Resistance Action Committee (HRAC) assigns numbers based on mode of action to assist in herbicide resistance management.

**Restricted use pesticides are only to be applied by licensed pesticide applicators.

How to Apply

Preemergence herbicides can be formulated in either granular or liquid forms. Granular preemergence herbicides are often impregnated on a fertilizer-type prill and may be broadcast with a fertilizer spreader. To be effective, spreaders must be calibrated to ensure the proper rate is being applied. For information on calibrating a spreader, please see University of Kentucky Extension publication AGR-211: *Calibrating Fertilizer Spreaders for the Home Lawn*.

Preemergence herbicides can also be sprayed using liquid formulations. Hose end sprayers and backpack sprayers are effective tools to apply herbicides evenly across the lawn. Attention must be paid to applying the herbicide evenly and at the proper rate. For more information on calibration of sprayers, consult University of Kentucky Extension publication AGR-220: *A No-Math Method for Calibrating Backpack Sprayers and Lawn Care Spray Guns*.

Resources

For more information regarding the differences between cool-season and warm-season species of grass for Kentucky lawns, consult University of Kentucky Extension publication AGR-52: *Selecting the Right Grass for your Kentucky Lawn*.

*Join us for an evening
of all things hay!*

CENTRAL KENTUCKY HAY PROGRAM

PROGRAM FEATURES:

- ✓ Central KY Hay Contest Results
- ✓ Understanding your forage test results
- ✓ Supplementing for your livestock needs

When: Monday, December 4th, 2023

Where: Fayette County Extension Office,
1140 Harry Sykes Way, Lexington, KY 40504

Time: 6:00 - 8:00pm

Please RSVP to the Fayette County Extension Office
at 859-257-5582 before November 27th!