



Jessamine County
Agriculture

AGRICULTURE NEWS

AGRICULTURE & NATURAL RESOURCES



**Cooperative
Extension Service**
Jessamine County
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Nicholasville, KY 40356
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Steve Musen
Jessamine County Extension Agent
Agriculture and Natural Resources



We will be closed from Dec. 25th to Jan. 2nd for the Holiday. Have a Merry Christmas and a Safe and Happy New Year!

December 2023/January 2024

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**MANAGING CATTLE
IN
CONFINEMENT
CONFERENCE**

**DECEMBER 14, 2023
HARDIN COUNTY
EXTENSION OFFICE**

2:30 ET – 8:30ET




For any questions email
maggie.ginn@uky.edu



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

TOPICS

- Moving to Confinement: Challenges & Opportunities
- Managing Nutrient Resources
- Confinement Facility Options and Considerations
- Economic Considerations for Confinement Facilities
- Producer Panel

REGISTER NOW:

- Register via the QR code
- Early registration until December 6. \$15
- Late registration \$20
- Registration includes Dinner




Cooperative Extension Service
Agriculture and Natural Resources
Family and Consumer Sciences
4-H Youth Development
Community and Economic 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, or physical or mental disability. University of Kentucky, Kentucky State University, U.S. Department of Agriculture, and Kentucky Counties, Cooperating.
LEXINGTON, KY 40546



Disabilities accommodated with prior notification.

Upcoming Events in Agriculture

Dec 4	C-KY Hay Contest Awards Program 6:00p @ Fayette Co. Extension	Jan 11-12	Closed for Christmas/New Year KCA Convention
Dec 5	UK Beef Student Seminars 6:00p @ Jessamine Extension	Jan 31	Central Bank Center, Lexington Equines & Endophytes Workshop 11:30-5:15 @ Fayette Co. Extension (see flyer)
Dec 14	Managing Cattle in Confinement 2:30p-8:30p @ Hardin Co. Extension (See Page)	Feb 8	KY Alfalfa and Stored Forage Conf. Bowling Green, KY
Dec 18	Jessamine County Cattlemen 6:30p @ Jessamine Extension	Feb 19-20	Heart of America Grazing Conf. Cincinnati, OH (see flyer)
Dec 25-Jan 1	Jessamine County Extension Office		

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



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



**Wild Turkey
& Broccoli
Casserole**



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



This work is supported by the Expanded Food and Nutrition Education Program from the USDA National Institute of Food and Agriculture.



Healthy Recipe From Cook Wild Kentucky

Wild Turkey & Broccoli Casserole

- 2 packages (10 ounces each) frozen broccoli, or 2 bunches fresh broccoli, washed and cut into pieces
- 4 cups cubed, cooked wild turkey meat
- 1 cup light mayonnaise
- 2 cans (10.5 ounces each) low-sodium cream of chicken soup
- 1 teaspoon curry powder or 1 tablespoon prepared mustard
- 1 teaspoon lemon juice
- 1/2 cup grated cheddar cheese
- 1/2 cup panko breadcrumbs
- 1 tablespoon melted butter

To cook turkey breast, preheat oven to 325 degrees F. Add vegetable oil to a roasting pan. Place turkey breast in roasting pan. Season meat lightly with garlic powder and black pepper. Cover with lid or aluminum

foil. Cook at 325 degrees F until internal temperature is 165 degrees, about 1 1/2 to 3 1/2 hours for 4 to 8 pounds of meat. Let meat cool in pan for 15 minutes before cutting into cubes. Steam broccoli until tender. Drain. Grease a 2-quart casserole dish or 9-by-13-inch pan. Place turkey on the bottom, and arrange the broccoli over the turkey. Combine mayonnaise, cream of chicken soup, curry powder or mustard, and lemon juice. Pour over broccoli. Combine cheese, breadcrumbs, and butter. Sprinkle over casserole. Bake at 350 degrees F for 30 minutes.

Yield: 8 servings

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

Nutrition Facts	
8 servings per recipe	
Serving size	(243g)
Amount per serving	
Calories	270
% Daily Value*	
Total Fat 12g	15%
Saturated Fat 3g	15%
Trans Fat 0g	
Cholesterol 65mg	22%
Sodium 660mg	29%
Total Carbohydrate 17g	6%
Dietary Fiber 0g	0%
Total Sugars 2g	
Includes 0g Added Sugars	0%
Protein 23g	
Vitamin D 0mcg	0%
Calcium 66mg	6%
Iron 1mg	6%
Potassium 355mg	8%

* 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 Training Opportunities:

UK Beef Management Webinar Series

If you would like to register, please send an email to dbullock@uky.edu with Beef Webinar in the subject line and your name and county in the message.

All meeting times are 8:00pm ET and meets [CAIP Education Requirements](#).

- [December 12, 2023](#) Shooting the Bull: Answering all your Beef Related Questions! – Updates and Roundtable discussion with UK Specialists
 - [January 9, 2024](#) Management decisions that impact reproductive efficiency in beef herds – George Perry, Professor, Texas A&M University
 - [February 13, 2024](#) What's the Cost of a Cheap Mineral – Katie VanValin, Assistant Extension Professor, University of Kentucky
-

Managing Cattle in Confinement Conference

December 14, 2023, 3:30 – 8:30p ET at the Hardin County Extension Office
Registration Information on Page 1. Meets [CAIP Education Requirements](#).

2024 KCA Convention

Kentucky Cattlemen Association Annual Convention and Trade Show.
January 11-12, 2024 at the Central Bank Center, Lexington KY.
See flyer for schedule

U.K. Equine and Endophyte Workshop

Hear from experts from across the country on the effects of toxic tall fescue on mares and what steps can be taken to reduce them. Wednesday, January 31, 2024, 11:30 AM – 5:15 PM EST at Fayette County Extension Office. See Flyer for Registration Info. Meets [CAIP Education Requirements](#).

Kentucky Alfalfa and Stored Forage Conference

February 4th (all day) at the Warren County Extension Office. Registration at: <https://2024ASFConference.eventbrite.com>. Meets [CAIP Education Requirements](#).

Heart of America Grazing Conference

February 19-20, 2024 at the Greenacres Arts Center, Cincinnati, OH
See Flyer for Registration Information. Meets [CAIP Education Requirements](#)

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Keep Your Chickens Healthy this Winter

“Keeping your chickens happy and healthy in the winter is important, but maintaining a cozy and vigorous flock during the colder months demands diligent care.”



Keeping your chickens happy and healthy in the winter is important, but maintaining a cozy and vigorous flock during the colder months demands diligent care.

Chickens, which typically have an internal temperature around 106 degrees Fahrenheit, may experience cold stress when the environment's chill overwhelms their heat-generating capabilities. Indications that your chickens might be feeling the cold include behaviors like feather fluffing, huddling and tucking one foot up to their body for warmth. When such stress is prolonged, it can impair their well-being and could be fatal.

When considering your flock, it's vital to recognize that not all breeds are equally winter-resistant. Heavier breeds, such as the Plymouth Rock or Orpington, tend to endure cold better than their lighter counterparts or those with substantial combs and wattles, which are susceptible to frostbite. Monitoring the flock dynamics, especially if diverse breeds are present, is crucial since bullying over resources can leave some chickens malnourished and more vulnerable to the cold.

Preparing your coop for the winter is fundamental. It should be a sanctuary, protecting against elements and predators alike. Roosts are essential, providing an elevated perch that shields them from the cold ground and also allow the feet to dry better. These should be crafted from materials like wood, avoiding metal or plastic, which can aggravate the cold. Perches should be spacious to prevent overcrowding, but cozy enough to allow shared body heat.

Managing airflow is essential; you must ensure adequate ventilation to prevent the buildup of harmful ammonia and moisture accumulation. Chickens can withstand relatively cold temperatures as

long as they are dry. You may need to insulate the coop to keep the warmth in. On below freezing nights, it may be necessary to provide supplemental heat.

Historically, infrared heat lamps have been used to provide supplemental heat, but they can be a major fire risk. Alternative heat sources that have lower fire risk are now available. Use only equipment designed for livestock, and always have installations carried out by a professional.

Regarding nutrition, chickens' dietary intake tends to increase during winter since they require more energy to keep warm. Treats like scratch grains are beneficial for their warmth-inducing digestion and as an activity stimulant, but should be offered sparingly and never mixed with a complete, nutritionally balanced feed as it would dilute nutrients. Ensuring continuous access to unfrozen water is equally important because chickens will not eat if they cannot drink.

Egg production might dip due to reduced daylight; therefore, some opt for supplementary lighting to stimulate laying. It is important that the number of light hours per day never decreases during egg production. A minimum of 14 light hours per day (no more than 18) is recommended to maintain egg production throughout the year.

Tending to chickens in winter revolves around striking a delicate balance: ensuring they're warm but not overheated, well-fed but not overindulged and active yet secure from the harsh external environment. With meticulous planning and proactive management, your poultry can thrive even when the temperatures drop.

Source: Jacqueline Jacob, U.K. Agriculture Extension Project Manager

Keeping Your Houseplants Happy During Wintertime

Even though your houseplants do not have to deal with the cold like your garden does, you should still change how you care for them this season, ensuring they stay healthy and continue to grow well. Following these tips, your leafy friends will bring lushness and natural beauty into your home, even in winter.

Decrease watering—In general, less light means less water. Plants need less water in the winter because they don't get as much sunlight, compared to spring and summer. To test soil moisture, push your finger into the potting soil at least one inch deep. If the soil is dry, water thoroughly. It is better to water plants well less often than water just a little bit every day. In the winter, it is possible that you will only need to water once every two to three weeks.

Pay attention to the Sun—If possible, move your plants closer to the windows. If they're on the ground, put them on a plant stand. Every week or two, rotate the pots to ensure all sides of the plants get some sunlight.

It's okay if a few leaves fall off—Plants outside over the summer will probably lose some leaves when they come back inside. This is normal because they are getting used to the lower light levels inside. It's normal for plants that stay inside all year to lose a few leaves as winter approaches. This is just their way of getting ready for less light.

Avoid temperature extremes—Keep plants away from cold drafts, radiators and hot air vents. Sudden hot or cold drafts can kill plants, stress them out, or dry them out.

Put the fertilizer on hold—Winter is a time for most houseplants to rest. They don't need fertilizer because they usually aren't actively growing. In the fall, stop fertilizing

and start back up again in the spring when plants get more sunlight and start growing again.

Scan for pests—If you are bringing plants inside for the winter, be sure to check the leaves, stems and soil surface for pests. Wipe leaves down with a wet cloth or remove pests by hand before bringing the plants inside. Small bugs that feed on sap, like aphids and scales, tend to show up more in the winter. Another common winter pest is the spider mite which likes warm, dry places to live. When watering, flip the leaves over and look at the undersides and along the stems. If you find bugs, use your fingers or damp cloth to remove them. Neem oil and insecticidal soap may be options for managing houseplant pests. With any product, be sure to read the entire label for application instructions and precautions.

Increase the humidity—In the winter, the air inside our heated homes is often drier. Most houseplants, especially those from tropical areas, do best when the humidity is between 40 and 50%. However, in the winter, most homes have humidity levels between 10 and 20%. Putting plants close together is an easy way to make the air around them more humid. Plants can also be put on trays with pebbles and water to make the air more humid. To keep the roots from rotting, pot bottoms should be above the water. As the water evaporates, it makes the air around your houseplants more humid. Keep plants away from vents with blowing air.

By: Dr. Rachel Rudolph, U.K. Horticulture Assistant Professor

“Following these tips, your leafy friends will bring lushness and natural beauty into your home, even in winter.”



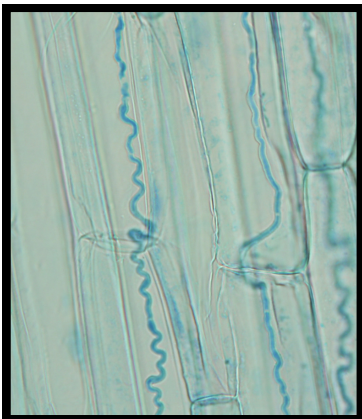


PHOTO BY JIMMY HENNING

THE SECOND ANNUAL

Equines & ENDOPHYTES WORKSHOP

JANUARY 31,
2024



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



FAYETTE COUNTY EXTENSION OFFICE
1140 HARRY SYKES WAY
LEXINGTON, KY 40504

\$ 40 | Advanced Registration Required: <https://ew24.eventbrite.com>
Includes lunch and materials



EQUINES AND ENDOPHYTES WORKSHOP

SCHEDULE

11:30 am Registration and Networking

12:00 pm Lunch from Red State BBQ

12:45 Welcome

1:00 **History of Tall Fescue Endophytes** - Dr. Joe Bouton, emeritus professor, University of Georgia at Athens

1:30 **Pregnancy Losses: Does Tall Fescue Need Exploring?** - Dr. Emma Adam, Veterinary Outreach, University of Kentucky

2:00 **Knowledge Gap Analysis of Ergot Alkaloids in Equines** - Dr. Jimmy Klotz, Animal Scientist, USDA ARS-FAPRU

2:45 Break

3:00 **Short-term Mitigation and Long-Term Solutions** - Krista Lea, MS, Research Analyst, University of Kentucky

3:45 **Selection, Establishment and Use of Novel Endophyte Tall Fescue Varieties** - Dr. Ray Smith, Forage Extension Specialist, University of Kentucky

4:30 Survey

4:40 **Farm Manager Panel** - Moderated by Dr. Jimmy Henning, University of Kentucky. Panelists: **Randy Gilbert**, Shawnee Farm and **Rob Tribbett**, Watercress Farm

5:15 Questions and Adjourn

(Guaranteed to finish well before the UK/Florida Basketball game @ 8pm)



EVENT SPONSORS:



Additional Sponsorship Opportunities are available.
Contact Krista for more information
Krista.Lea1@uky.edu





KCA
CONVENTION 2024
& AG INDUSTRY TRADE SHOW

WEDNESDAY, JANUARY 10

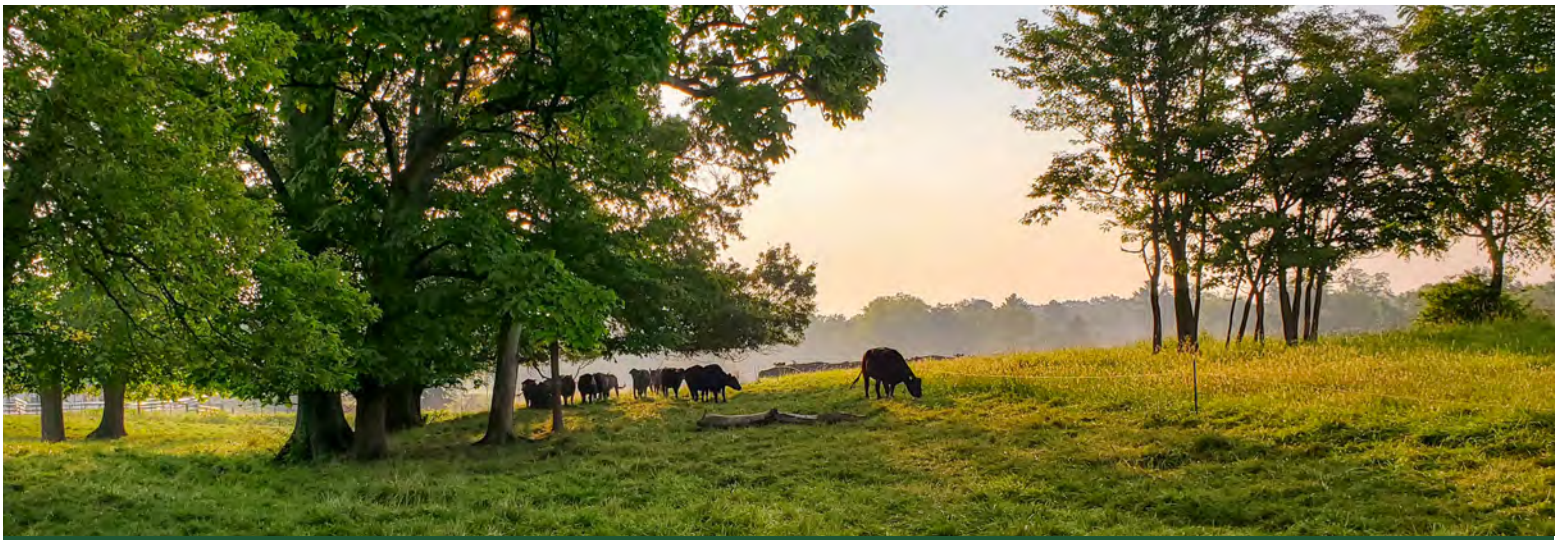
10:00-5:00	Trade Show Move-In
3:00	KCA Foundation Meeting
4:00	KCA Executive Committee Meeting
6:00	KCA Leadership Dinner (Invitation Only)

THURSDAY, JANUARY 11

7:00-6:00	Registration Hours
7:00-10:00	Trade Show Move-In
9:00-11:30	Beef Efficiency Conference- Getting Ahead of What is to Come
10:00	Trade Show Opens
11:30	Welcome Lunch
1:30-3:30	Opening General Business Session
	Welcome 2024 Kentucky Cattlemen's Association Convention- Andy Bishop 2023 KCA President Agriculture Education Center Update KBN Annual Report Beef Solutions Annual Report KBC Annual Report
6:00	Trade Show Closes

FRIDAY, JANUARY 12, 2024

6:30-5:00	Registration Hours
7:00-9:00	County President Breakfast (Invitation Only)
8:00	Trade Show Opens
10:00-11:00	Regional Meetings
11:00	KCA Concessions Lunch in the Trade Show
12:30-2:00	Closing Business Session
	2023 Financial Review 2023 Communications Review and Outlook A Year in Review and 2024 Outlook
2:00	Trade Show Closes
2:00	KJCA Officer Meeting (Current KJCA Board Members Only)
2:15	KJCA Annual Membership Meeting & KJCA Board of Director Elections
2:30-4:30	Forages at KCA
2:30-4:30	Ladies Program
3:00	KJCA Reception
5:00-6:00	KCA Leadership Alumni & Past President's Reception (Invitation Only)
6:00	Evening Banquet
	KCA & KBC Awards 2024 KCA Hall of Fame Inductions Foundation Auction



HEART OF AMERICA GRAZING CONFERENCE

Hosted at Greenacres Foundation • Cincinnati, Ohio

**Real Farmers,
Real Success:
Practical guide
to farming**

February 19 - 20, 2024

Location: Greenacres Arts Center
8400 Blome Road, Cincinnati, OH 45243

Registration: scan the code or visit
green-acres.org/upcoming-events

Questions?
Email mcox@green-acres.org



**REGISTER
HERE**

SCHEDULED SPEAKERS:

- ▶ **Dan Glenn**
Deep Grass Graziers Farm
Choosing and developing cattle genetics to suit your needs.
- ▶ **Lyda Garcia**
Ohio State University
How animal handling directly affects meat quality and carcass price.
- ▶ **Monte Bottens**
Illinois crop and livestock farmer
Farming thousands of row-crop acres and improving margins through cover crops and livestock.
- ▶ **Dr. Jason Salchow**
Missouri custom grazer, veterinarian and University of Missouri professor
How to build a profitable custom grazing operation from scratch to over 600 head.
- ▶ **Chad Bitler**
Research Director, Greenacres Foundation
Native Warm Season Grasses can benefit a grazing farm, provided they are established correctly.

Additional speakers to be announced soon
For updated information, scan the code above or visit green-acres.org/upcoming-events



Jessamine County Extension Office
95 Park Drive
Nicholasville KY 40356