

MARCH 2025

# AG NEWS TODAY

AGRICULTURE & NATURAL RESOURCES

Cooperative Extension Service

Livingston County

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Adam.barnes1@uky.edu



## NOTE FROM YOUR LOCAL AGRICULTURE AGENT

Welcome to the March Edition of Our Agriculture Newsletter!

As the cold grip of winter begins to loosen, March ushers in a season of renewal and promise for the agriculture community. This month marks the beginning of spring, a time when farmers and growers start preparing for the planting season ahead. From soil testing and seed selection to planning irrigation systems and crop rotations, March offers a fresh start to set the stage for a successful growing season. Let's get ready to sow the seeds for a bountiful year ahead!

Adam Barnes - CEA for ANR Livingston County



## This issue:

### Upcoming Pesticide Trainings

PESTICIDE TRAINING THURSDAY  
MARCH 20TH 2025 AT 12:00PM  
HELD AT THE LIVINGSTON COUNTY  
COOPERATIVE EXTENSION OFFICE  
RSVP BY CALLING 1.270.928.2168  
LEAVE SAME DAY WITH YOUR  
APPLICATORS LICENSE IN HAND!

PESTICIDE TRAINING THURSDAY  
MARCH 20TH 2025 AT 6:00PM  
AT THE LIVINGSTON COUNTY  
EXTENSION OFFICE RSVP BY CALLING  
1.270.928.2168 LEAVE SAME SAY  
WITH YOUR LICENSE IN HAND!

### Lunch & Learn

MARCH 21ST 2025 11:00AM  
LIVINGSTON COUNTY COOPERATIVE  
EXTENSION OFFICE FREE LUNCH  
INCLUDED! CALL NOW TO RSVP!

### Virtual IMP Training School

WEDNESDAY MARCH 12TH 2025  
STARTS AT 8:00AM-3:20PM FOR  
QUESTIONS CALL 1.270.928.2168  
FOR QUESTIONS RSVP ONLINE

### Soil Sampling

NOW IS THE TIME TO START THINKING  
ABOUT GETTING THOSE GARDEN AND  
FEILD SAMPLES IN FOR SPRING!  
THE FIRST 25 ARE FREE!

## Farmers Monthly Recipe - March 2025



### Cabbage Rolls

<b>12</b> cabbage leaves	<b>1 teaspoon</b> garlic salt	<b>¼ cup</b> chopped green pepper
<b>1 pound</b> lean ground beef	<b>¼ teaspoon</b> pepper	<b>1 teaspoon</b> sugar
<b>1 cup</b> cooked brown rice	<b>½ teaspoon</b> dried basil	<b>1 tablespoon</b> cornstarch
<b>1</b> (15 ounce) can tomato sauce	<b>½ teaspoon</b> dried oregano	<b>1 tablespoon</b> water
	<b>½ cup</b> chopped onion	

**Cover** cabbage leaves with boiling water. Let **stand** until leaves are limp, about 4 minutes. **Drain**. When cool, **trim** away excess ridge on leaf for easier rolling. **Mix** beef, rice, ½ cup tomato sauce, garlic salt, pepper, basil, oregano, onions and green pepper. **Put** ½ cup in each leaf, starting at leaf end; **roll**, tucking in the sides. **Place** seam side down in a 9-by-11-inch baking dish. **Mix** remaining tomato sauce with the sugar, **pour** over rolls. **Cover** and **bake** at 350 degrees F for

1 hour. **Remove** cabbage rolls from baking dish, **pour** juice in a saucepan. **Mix** cornstarch and water; **stir** into saucepan. **Heat** and **stir** until mixture boils, **cook** 1 minute. **Serve** sauce with cabbage rolls.

**Yield:** 6 servings, 2 rolls each

**Nutritional Analysis:** 190 calories, 4 g fat, 1.5 g saturated fat, 40 mg cholesterol, 550 mg sodium, 24 g carbohydrate, 6 g fiber, 9 g sugars, 18 g protein.



DONT FORGET TO LIKE AND FOLLOW LIVINGSTON COUNTY AGRICULTURE AND NATURAL RESOURCES PAGE ON FACEBOOK!



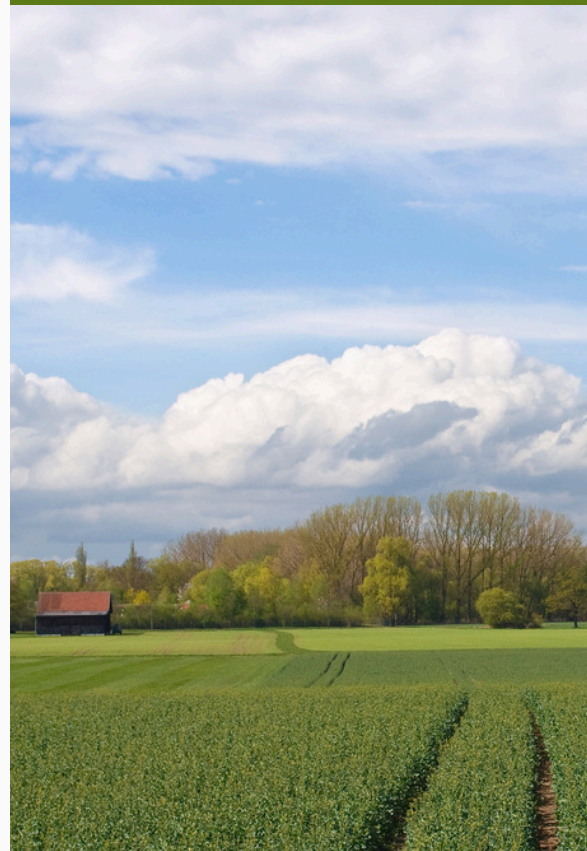
Livingston County

ANR

University of Kentucky  
College of Agriculture,  
Food and Environment

## Forage Timely Tips March 2025

- Continue pasture renovation by no-tilling seeding legumes. Frost seeding becomes more and more risky with every day that we have above freezing.
- Place small seed at 1/4 to 1/2 inch deep and check depth several times during planting; slow down for more precise seeding.
- Continue feeding hay until adequate forage exists in the pasture for grazing.
- Spring seeding of grasses should be done in early to mid-March (but fall is preferred).
- Begin smoothing and re-seeding hay feeding and heavy traffic areas.
- Graze pastures overseeded with clover to reduce competition from existing grasses. \*Pull off before grazing new clover plants.
- Provide free choice high-magnesium mineral to prevent grass tetany on lush spring growth.



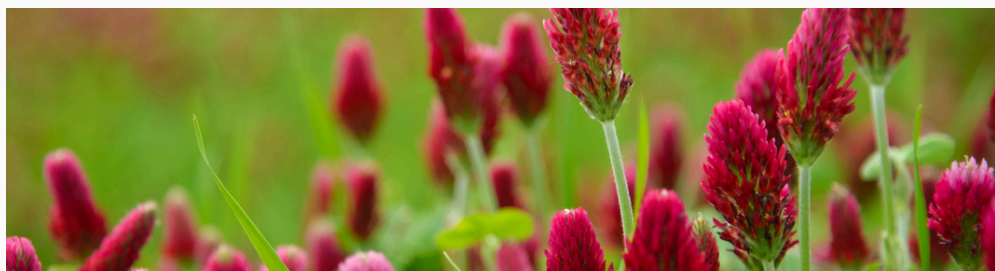


## Red Clover to the Rescue

Article written by Dr. Jimmy Henning - Plant and Soil Sciences Department, University of Kentucky

If ever there were an animal in trouble with toxic endophyte-infected tall fescue, red clover would likely have been able to help prevent the issue. This legume can remedy vasoconstriction in cattle, and new research suggests it has

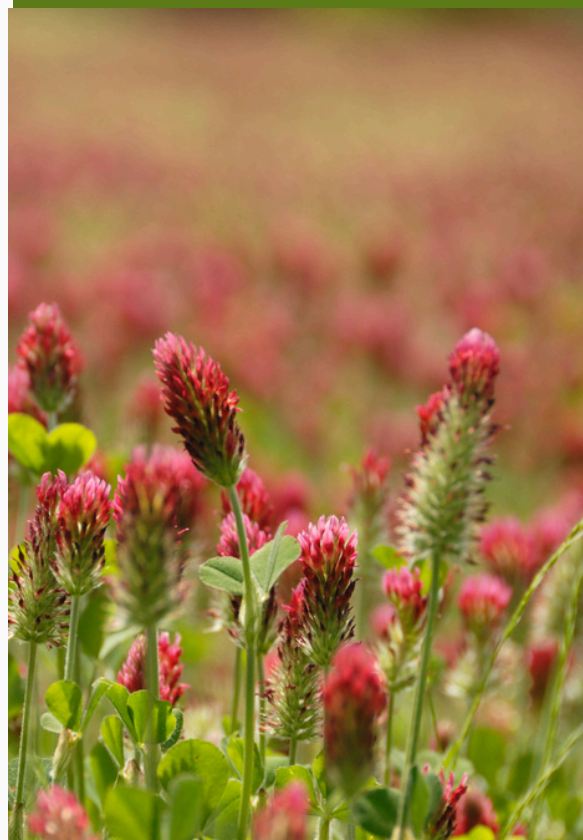
other superpower-like properties as well. Vasoconstriction is a condition caused by toxic endophytes that grow between tall fescue's cell walls. Affected animals' blood vessels constrict, and they can have difficulty regulating their body temperature, which leads to heat stress in the summer and cold stress in the winter. Jimmy Henning with University of Kentucky (UK) Extension says red clover can help combat these negative consequences. "Red clover has been found to contain a natural compound that actually causes these constricted blood vessels to dilate, restoring blood flow and relieving temperature stress," the extension forage specialist explains.



"These compounds, called isoflavones, are also present in white clover and alfalfa, but at lower levels than red clover." Cattle do not need to consume large quantities of red clover to realize the benefit. Work by the USDA-ARS Forage-Animal Production Research Unit in Lexington, Ky., showed improved growth and vasodilation in steers grazing toxic tall fescue by supplementing hay with 15% red clover. Other studies found feeding mineral that contains 20% ground red clover leaves can reduce symptoms of toxic fescue in cattle fed toxic fescue seed. Although isoflavones safeguard against vasoconstriction, they are phytoestrogens, which have been suspected to suppress livestock reproduction rates. To test this hypothesis, Brittany Harlow with the USDA-ARS in collaboration with UK researcher Les Anderson

the Kentucky Beef Network, and Burkmann Nutrition are conducting a study to compare the reproductive efficiency in heifers fed mineral containing 20% red clover versus mineral without. Preliminary results suggest that the red clover mineral has no effect on heifers reproduction. Further, the animals receiving this treatment appeared to shed their winter coats faster and experienced less heat stress in the summer as a result. A second year of data collection is planned.

Red clover can be introduced to pastures of tall fescue this time of year by frost seeding. Henning says the freeze-thaw cycles that occur in the winter create enough seed-soil contact for red clover to germinate in late spring.



# *Italian Ryegrass Control Field Tour*

Thursday, March 27, 2025

9 a.m. to 11:30 a.m. CDT

**Please meet at the Caldwell County Extension Office**

1025 U.S. Highway 62 West, Princeton, KY

Sign-in begins at 8:30 a.m. CDT

A caravan will proceed to the UKREC in Princeton for plot tours of Italian ryegrass research.

Click link or scan QR Code to register

[https://uky.az1.qualtrics.com/jfe/form/SV\\_2c6KX2NmiqEp1TE](https://uky.az1.qualtrics.com/jfe/form/SV_2c6KX2NmiqEp1TE)



Presented by Dr. Travis Legleiter, UK Extension Associate Professor - Weed Science, this field tour will highlight the options available to Kentucky farmers for maximum control of this problematic weed in the fall and spring prior to corn and soybean planting. For more information about the field tour call (859) 562-2569.

## **Educational credits available:**

CCA: 3 CEUs in IPM;

KY Applicator Credits: 3 CEUs for Category 1A (Ag Plant)

# Virtual IPM Training School



## March 12th, 2025

Zoom 8:00 AM- 4:00 PM CST

**8:00-8:15 Welcome Dr. Ric Bessin**

### Morning: Field Crops

8:15	Updating Nitrogen, Phosphate and Potash Rate Recommendations (AGR-1) for Kentucky Grain Growers - <b>Dr. John Grove</b>
8:40	Fertilization Methods for Organic Crop Production - <b>Dr. Edwin Ritchey</b>
9:05	Improving ROI for Corn Fungicide Applications - <b>Dr. Kiersten Wise</b>
9:30	Management of Foliar Diseases of Soybean - <b>Dr. Carl Bradley</b>
9:55	<b>Coffee Break</b>
10:10	Slug Observations and Implications from Delaware - <b>Dr. David Owens</b> , Michael Crossley and Ben Sammarco, University of Delaware
10:35	Three Emergent Soybean Pests: Snails, Three-Cornered Alfalfa Hopper and Bean Leaf Beetles - <b>Dr. Raul Villanueva</b>
11:00	Potential Responses of Insect Pests to Climate Change - <b>Dr. Nick Teets</b>
11:25	Weed Control in 2025 and Beyond - <b>Dr. Travis Legleiter</b>
11:50	<b>Lunch Break</b>

### Afternoon: Horticulture

1:00	Difficult Weeds and Management Strategies - <b>Dr. Shawn Wright</b>
1:25	Techniques for Managing Common Invasive Plants - <b>Dr. Ellen Croker</b>
1:50	Soil Solarization: An Alternative Management Method for Many Issues - <b>Dr. Rachel Rudolph</b>
2:15	<b>Coffee Break</b>
2:30	Nursery IPM Practices to Up Your Disease and Pest Management Game- <b>Ms. Tara Vaughn</b>
2:55	Spotting Trouble: Spotted Lanternfly and Kentucky - <b>Dr. Jonathan Larson</b>
3:20	An overview of cold damage and prevention for fruit crops -

### Dr. Brent Arnoldussen

Field Crops CEUs      Pesticide Applicator- Category 2, 3, 10: 1; Category 1A: 3  
 Certified Crop Adviser- Nutrient Management: 1; IPM: 3

Horticulture CEUs      Pesticide Applicator- Category 1A, 2, 3: 1 for each  
 Certified Crop Adviser- IPM: 2; Crop Management: 1

### Contacts

Ric Bessin- [r.bessin@uky.edu](mailto:r.bessin@uky.edu); (859) 257-7456  
 Zenaida Vilorio- [zenaida.vilorio@uky.edu](mailto:zenaida.vilorio@uky.edu)  
 (270) 365-7541 Ext. 21336



# Pesticide Applicator Training

**WHEN:** Thursday March 20th 2025

**TIME:** 12:00PM OR 6:00PM

**WHERE:** LIVINGSTON CO. COOPERATIVE EXTENSION

**ADDRESS:** 803 US 60 EAST SMITHLAND, KY 42081



To RSVP or for questions call the Livingston County  
Cooperative Extension Office at 1.270.928.2168

Leave same day with your Pesticide Applicator License in hand!

*Adam Barnes*  
Adam Barnes CEA for ANR - Livingston County

**Cooperative  
Extension Service**

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

**MARTIN-GATTON COLLEGE OF AGRICULTURE, FOOD AND ENVIRONMENT**

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



Disabilities  
accommodated  
with prior notification.



**Martin-Gatton**  
College of Agriculture,  
Food and Environment

LIVINGSTON COUNTY COOPERATIVE EXTENSION PRESENTS

# LUNCH & LEARN

# EDIBLE LANDSCAPES

When: Friday March 21st 2025

Time: 11:00am-1:30pm

Location: Livingston County Extension Office

803 US Hwy 60 East Smithland, KY 42081

RSVP: By calling 1.270.928.2168 by March 14th 2025



**FREE LUNCH WILL BE PROVIDED!**

With Speaker: Matthew T. Chadwick  
Extension Agent - Calloway County

- Leave with Free Seeds to start your own garden with
- Leave with lots of gardening materials & fun reads!
- Bring your own seeds to trade with other gardeners if you would like.
- Learn all about how edible landscaping can beautify your home lawn!
- And much more!



**RSVP BY CALLING**

**1-270-928-2168**

**Livingston County  
Cooperative Office**

*Adam Barnes*  
CEA for ANR Livingston Co.

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



# Broadleaf Weeds of Kentucky Pastures

*J.D. Green, Plant and Soil Sciences*



Spiny Amaranth



Buttercup



Cocklebur



Horsenettle



Tall Ironweed



Hemp Dogbane



Poison Hemlock



Marshelder



Common Milkweed



Jimsonweed



Sericea Lespedeza



Maypop Passionflower



Buckhorn Plantain



Perilla Mint



Multiflora Rose



Trumpetcreeper



Canada Thistle



Common Ragweed



Lanceleaf Ragweed



Wild Carrot



Bull Thistle



Musk Thistle



Curly Dock



Chicory