



## Agriculture and Natural Resources Newsletter

Washington County  
Cooperative Extension Service  
245 Corporate Drive  
Springfield, KY. 40069  
(859) 336-7741  
Fax: (859) 336-7445  
<http://ces.ca.uky.edu/washington>

### Notes from the Agent

We have finally made it to fall of 2024! I personally have been looking forward to some cooler temperatures and hopefully some rain. I will be out of the office October 22nd-23rd for an ANR Agent Training but can still be reached via email!



Stay up to date!  
Scan the QR code to like us on  
Facebook.

ON AIR

Listen for weekly tips on 100.9

### DON'T FORGET

Cost-Share paperwork is due in December. Part of the requirements include producers completing an hour of education approved by the Extension Agent. Please don't wait until the last minute to try and complete your education. Take advantage of all the great opportunities coming up! **Be sure to call and register for classes to show interest and guarantee your spot.**



# IMPORTANT DATES

## October

4th-5th: Sorghum Festival

4th: Farm City Breakfast

11th: University of Kentucky Animal and Food Sciences Reunion

15th-17th: Heart of America Grazing Conference, Elizabethtown

19th: KY Sheep and Goat Annual Producer Conference, Flemingsburg

24th: Kentucky Beef Conference, Fayette County Office

**28th: Personal Applicator Pesticide Training**

## November

7th-21st: North American International Livestock Exposition

6th: County Extension Council Meeting

12th: Shooting the Bull Webinar

**13th: Growing Your Farm and Food Business with KCARD**

28th-29th: Office CLOSED for Thanksgiving



# Beef Management Webinar Series

If you are interested and would like to be registered send an email to [dbullock@uky.edu](mailto:dbullock@uky.edu) with Beef Webinar Series in the Subject and your name and county in the message to receive a Zoom link and password. You will receive an invitation and password the morning of the presentation.

## November

12

**Shooting the Bull: Answering all your Beef Related Questions!**

Updates and Roundtable discussion with UK Specialists

## December

10

**Winter Feeding Strategies to Extend Short Hay Supplies**

Dr. Lawton Stewart, Professor, University of Georgia

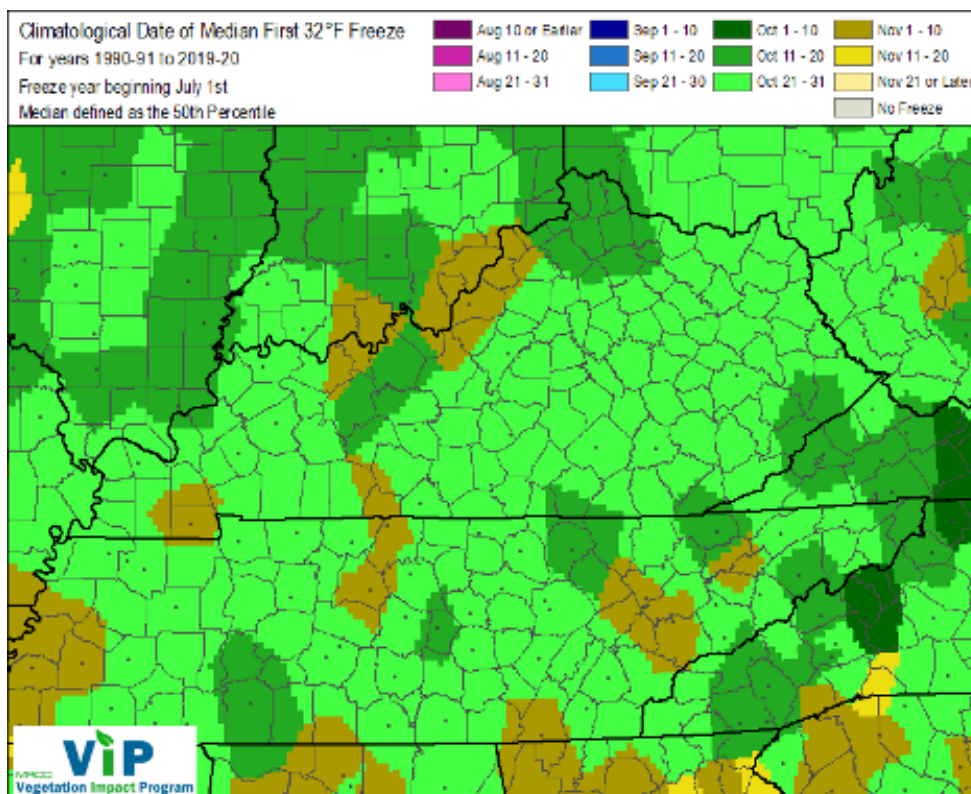
# Fall Frost and Freeze Information for The Bluegrass State

## By Derrick Snyder – National Weather Service Paducah, KY

As we move through the month October, the risk of crop-killing frosts and hard freezes will quickly increase. The National Weather Service office in La Crosse, WI, compiled the following list of meteorological conditions that can lead to frost conditions:

- Clear skies lead to radiational cooling, allowing the greatest amount of heat to exit into the atmosphere.
- Calm to light winds prevent stirring of the atmosphere, which allows a thin layer of super-cooled temperatures to develop at the surface. These super-cooled temperatures can be up to 10 degrees cooler than five to six feet above the surface, where observations are typically taken. This is why frost develops even when reported temperatures are a few degrees above freezing.
- Cool temperatures, with some moisture, that promote ice crystal development. If the supercooled, freezing temperatures can cool to the dew point (the temperature at which, when cooled to at constant pressure, condensation occurs; moisture will have to come out of the atmosphere as fog, frost, etc.) frost could develop on exposed surfaces.
- Local topography also has a large role in determining if and where frost develops. Cold air will settle in the valleys since cold air is heavier than warm air, therefore frost conditions are more prone in these regions. Valleys are also sheltered from stronger winds, enhancing the potential for frost.

Other local effects, such as soil moisture and temperature, and stage of vegetation "greenness", are factors that can affect the possibility of frost forming. The Midwest Regional Climate Center has put together a map of when Kentucky can typically expect to see the first 32 degree freeze of the season. The great majority of the commonwealth will see the first hard freeze during the last 10 days of October, but this can vary a week or two sooner or later depending on the set-up for that particular year.





# Fall Grazing Dos and Dont's

Although it's fall now, KY and many regions of the US are still experiencing the aftermath from an exceptionally dry summer. Even as milder temperatures bring cool-season forages out of their drought-induced dormancy, producers must continue to be mindful about grazing management. A recent article by Craig Shaeffer at Univ. of MN reminded producers to avoid overgrazing, reduce stocking rates, give pastures adequate rest, and control weeds this fall.

**Avoid overgrazing.** Some species can tolerate more defoliation than others, but in general, plants must not be grazed lower than 4 inches. This is typically advised at any time of year, but it is especially critical following a dry growing season. When cool-season forages go dormant during drought, plant leaves and stems stop growing but growing points and crowns remain active. Overgrazing removes these growing points and drains root reserves.

Orchardgrass and other perennial cool season grasses store energy in stem bases and are especially susceptible to combined stress of overgrazing and drought. Shallow rooted species like KY bluegrass and clovers are also damaged by overgrazing.

**Reduce stocking rates.** With less forage available, reducing the number of animals on pasture will stretch feed supplies. This can be achieved by culling cattle from the grazing herd and/or relocating livestock to a dry lot or sacrifice paddock and feeding them hay. Assess feed costs and cull prices to determine the most cost-effective solution. If feeding hay, calculate how much forage will be needed through the winter. For example, one 1,200-pound cow that eats 2% of its bodyweight in hay will eat approximately 2.5 tons of forage from Oct through May.

**Give pastures rest.** Even if pastures start to green up after some precipitation, drought-stressed plants are likely not strong enough to withstand regular grazing. Giving livestock access to a pasture before it has sufficient time and moisture to make a full recovery can reduce stand persistence.

It takes 4 to 6 inches of water to produce a ton of cool-season grass or alfalfa. Smaller amounts of rainfall may stimulate regrowth, but grazing should be delayed until there is 8 to 10 inches of regrowth. While grazing regrowth before plants reach these minimum heights may provide forage, it can weaken plants and reduce the long-term productivity of the pasture.

**Control weeds.** Some weed species can take advantage of drought conditions and proliferate when cool-season forage goes dormant. Many weeds are low nutritive value, and some weeds like lambsquarters and pigweed can accumulate high levels of nitrates during drought. To successfully eliminate weeds, it is best to apply herbicide around a rainfall event. Always read the herbicide label prior to use.

~ excerpt from article by Amber Friedrichsen, Hay and Forage Grower. [Hayandforage.com](http://Hayandforage.com)





# 2024 HEART OF AMERICA GRAZING CONFERENCE

*Regenerative grazing... Merging science and practice*

## Tuesday, October 15, 2024

Pasture Ecology Workshop with Matt Poore, North Carolina State University  
 9:00 a.m. - 5:00 p.m. ET  
 Glenmar Farms, 16943 St. John Road, Cecelia, KY 42724

Heart of America Banquet  
 6:00 p.m. - 8:00 p.m. ET  
 Hardin County Extension Office, 111 Opportunity Way, Elizabethtown, KY  
 Capturing the Beauty of Forages with Dr. Jimmy Henning

## Wednesday, October 16, 2024

Heart of America Grazing Conference  
 7:00 a.m. - 3:00 p.m. ET  
 Hardin County Extension Office, 111 Opportunity Way, Elizabethtown, KY

- Healing the Land with Grazing  
Ray Archuleta, Raythesoilguy LLC
- Soil Health: Separating Fact from Fiction  
Alan Franzluebbers, USDA Ag Research Service
- Bale Grazing for Biological Fertility and Soil Health  
Greg Halich, University of Kentucky
- My Regenerative Journey  
Sam Kennedy, Kettle Mills Livestock Co.
- Build It and They Will Come... Managing for Soil Life  
Chris Teutsch, University of Kentucky
- Putting it All Together... A Call to Action  
Matt Poore, North Carolina State University

## Thursday, October 17, 2024

Pasture Walk at Greg Brann's Big Springs Farm  
 10:00 a.m. - 4:00 p.m. ET  
 683 Blankenship Rd, Adolphus, KY 42120

Tickets can be found at <https://2024HeartofAmerica.eventbrite.com>



**Greg Brann**



**Ray Archuleta**



**Alan Franzluebbers**



**Matt Poore**



**Greg Halich**



**Ray Smith**



**Chris Teutsch**

Kentucky Master Grazer Educational Program



Tickets can be found at <https://2024HeartofAmerica.eventbrite.com>

If registering by mail, please send checks payable to KFGC to: Caroline Roper, UKREC, PO Box 469, Princeton, KY 42445

Pasture Ecology	\$100 x ____ = ____
Banquet	\$50 x ____ = ____
Grazing Conference	\$75 x ____ = ____
Pasture Walk	\$45 x ____ = ____
Total:	_____

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: \_\_\_\_\_

**19**  
**OCTOBER**  
**2024**

**2024 KY**  
**ANNUAL PRODUCER**  
**CONFERENCE**

• **Fleming County Extension Office** •  
1384 Elizaville Rd., Flemingsburg, KY 41041

**Morning Session 8:30 am - 12:30 pm**

Guest Speakers:



Comissioner  
Johnathon Shell



Kentucky Farm Bureau



**Afternoon Session Field Day**

Forage Management, Reproduction, Lambing/  
Kidding & More! 1:00 pm - 3:30 pm

- Schwartz Show Stock & Meat Co.
  - Sheep producers
- Hickory Hollow Acres
  - Goat Producers

Association Business Meetings:

Board of Director and Officer Elections

**Cost: \$35/single; \$50/couple – Includes Lunch!**

**(ADDITIONAL LUNCHESES \$10)**

**Registration 8:30 a.m. (EST) • Program starts at 9:00a.m.**

**FOR MORE INFORMATION & REGISTRATION VISIT**

[www.kysheepandgoat.org/annual-producer-conference](http://www.kysheepandgoat.org/annual-producer-conference)

**OUR SPONSORS**





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

*"Today's Challenges, Tomorrow's Opportunities"*

# Kentucky Beef Conference



**October 24, 2024**

Fayette County Extension Office  
1140 Harry Sykes Way  
Lexington, Kentucky 40504

**9:00—10:00**

Registration, visit  
sponsors

\$10 registration fee

**RSVP by October 22nd  
to Fayette County  
Extension Office  
859.257.5582**

**10:00—Welcome & Sponsor Recognition**

Beau Neal, Woodford County Agriculture &  
Natural Resources Extension Agent

**University of KY Remarks & Welcome**

Dr. Laura Stephenson, UK Director of Extension

**Genomics Technology**

Dr. Troy Rowan, University of Tennessee  
Institute of Agriculture Beef Genetics  
Extension Specialist

**11:00— Marketing Update & Outlook**

Dr. Kenny Burdine, UK Beef Economic  
Extension Specialist

**12:00 Lunch**

**1:00— Animal Tagging Update**

Dr. Michelle Arnold, UK Extension Ruminant  
Veterinarian

**1:30— KY Beef Cattle Health Update**

Dr. Steve Velasco, KY Department of  
Agriculture State Veterinarian

**2:00—Adjourn**

**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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Disabilities  
accommodated  
with prior notification.



**COST-SHARE APPROVED**



# PRIVATE PESTICIDE APPLICATOR TRAINING

## WASHINGTON COUNTY EXTENSION OFFICE

245 Corporate Dr.  
Springfield, KY 40069



**OCTOBER 28TH**

**1:30 - 2:30 PM OR  
5:00 - 6:00 PM**

## CALL TO REGISTER

**(859)336-7741**

A certified private pesticide applicator can use Restricted Use pesticides to produce any agricultural commodity on property owned or rented by him (her) or an employer, or to the lands of a farmer-neighbor, if the application is made without compensation other than trading of personal services between producers of agricultural commodities. Certified private applicators also may train workers to satisfy Worker Protection Standards.

Private applicator certification is valid for 3 years and expires on December 31 of the final year. Applicators must go through the county training program to keep their certification in effect.



**COST-SHARE APPROVED**



# GROWING YOUR FARM AND FOOD BUSINESS WORKSHOP IN WASHINGTON COUNTY

Unlock new opportunities for your agribusiness with KCARD staff and partners at our comprehensive workshops on funding, business planning, and more!

**NOVEMBER 13TH**

**9:30 AM - 4 PM**

**WASHINGTON CO**

**EXTENSION OFFICE**

**245 CORPORATE DRIVE**

**SPRINGFIELD, KY 40069**



<https://tinyurl.com/washington-gyffb>

**REGISTRATION IS \$20.**

**REGISTER IN THE LINK OR BY  
CALLING US AT (859) 550-3972!**



**Kentucky Center for Agriculture  
and Rural Development**



# PERFECT PUMPKIN PANCAKES



## Ingredients

- 2 cups flour
- 2 tablespoons brown sugar
- 1 tablespoon baking powder
- 1 1/4 teaspoons pumpkin pie spice
- 1 teaspoon salt
- 1 egg
- 1/2 cup canned pumpkin
- 1 3/4 cup milk, low-fat
- 2 tablespoons vegetable oil



## Directions:

1. In a large mixing bowl, combine flour, brown sugar, baking powder, pumpkin pie spice and salt.
1. In a medium bowl, combine egg, canned pumpkin, milk, and vegetable oil, mixing well.
2. Add wet ingredients to flour mixture, stirring just until moist. Batter may be lumpy. For thinner batter, add more milk.
3. Lightly coat a griddle or skillet with cooking spray and heat to medium.
4. Drop batter mixture onto the prepared griddle by heaping tablespoon. Cook until golden brown, turning once with a spatula when the surface begins to bubble. Continue cooking until the other side is golden brown. Repeat process, making 12 pancakes.

**AT THE EXTENSION  
OFFICE**

Cooperative Extension Service  
Washington County  
245 Corporate Drive  
Springfield, KY 40069  
(859) 336-7741  
taylor.graves@uky.edu

*Taylor Graves*

*Wheelbarrow Series*  
**Thursdays @ 10:00 am**

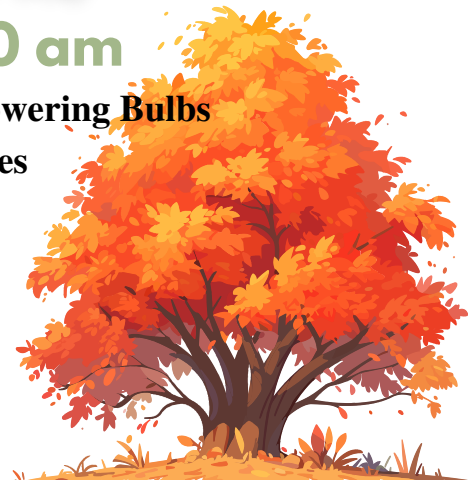
**10th: Amazing Alternative Spring Flowering Bulbs**

**24th: Dennis' Favorite Trees**

Register by calling the  
Extension Office at  
**859-336-7741**



*Bee Club*



**7th: Monthly Meeting @ 6:00 PM**