

GRAVES COUNTY AGRICULTURE & NATURAL RESOURCES NEWS

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

*GRAVES COUNTY COOPERATIVE
EXTENSION SERVICE
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MAYFIELD, KY 42066
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December 2024

IN THIS EDITION:

- Agent Notes
- Schedule of Events
- Announcements
- Forages
- Crops
- Tobacco
- Horticulture
- Weather notes
- Recipes





I hope this newsletter finds you well and having had an enjoyable Thanksgiving holiday!

As we gear up towards Christmas, things will be slowing down around here for a bit but once we are back from Christmas Break it will be full steam ahead into winter meeting season! Our office will be closed from December 25th until January 2nd.

Thank you to everyone who has attended our Maple Syrup class, Holiday Door Swag Workshops, and Goat Milk Soap Workshops. Next up we will be talking about value-added products using wool! It's going to be a great program and I hope to see several of you there!

I have Private Applicator Trainings scheduled for January. If you are expiring this year, you should have received a letter. If you aren't sure, please give me a call and I can look it up for you. We will be hosting a GAP training for tobacco producers here on February 11th. There are plenty of other educational opportunities on the horizon, with others still in planning stages so be sure to look through this newsletter and stay in touch for new programs!

I hope that you all have a very Merry Christmas and that health and blessings follow you into the New Year!



Miranda Rudolph

Miranda Rudolph

Extension Agent for Agriculture & Natural Resources
Graves County

miranda.rudolph@uky.edu | 270.247.2334 | 270.978.7052



State Apiarist Office Hours!

Starting in January, Dr. Amanda Skidmore – the Kentucky Department of Agriculture State Apiarist, will be hosting a monthly zoom meeting open to anyone that would like to participate. This will be a way for her to communicate important beekeeping related information and an opportunity for you to ask her questions! The first meeting will be Thursday, January 23, 2025 from 12pm EST/11am CT. If you would like to participate, please fill out the google form linked here and she will add you to her email list where you will be able to sign up for the meetings!

Sign up here: <https://forms.gle/hwpyX1giH1Wd2Gmv9>



ANR: What's Happening?

Bolded events are hosted at the Graves County Extension Office.



- **December 12- Value Added Ag: Wool- 6pm, GCEO**
- **December 14- Breakfast with Santa 4H Fundraiser - 8am-11am, GCEO**
- December 14- Winter Feeding Program- UKREC, Princeton, KY
- **December 25- January 1- Christmas Break, Office Closed!**
- **January 14- Private Applicator Trainings- 8:30am OR 5:30pm, GCEO**
- **January 21- Private Applicator Trainings- 8:30am OR 5:30pm, GCEO**
- **January 31- Winter Ag Conference, Lowry Farms**



Find us on
Facebook

During a crisis
24/7 help is a call or text away



Need someone to talk to? Resources are available 24/7 for farmers and their families. You are never alone. Call or text 988.

Cooperative Extension Service

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

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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.
Lexington, KY 40506



Disabilities
accommodated
with prior notification.



BREAKFAST WITH Santa
A 4-H Fundraiser

8-11AM
\$10 entry

Silent Auction | Pancake Breakfast | Reindeer Games
Letters to Santa & more!

14 Dec
An Equal Opportunity Organization

Meal sponsored by River Valley ACCREDITED

Cooperative Extension Service
Graves County Extension Office

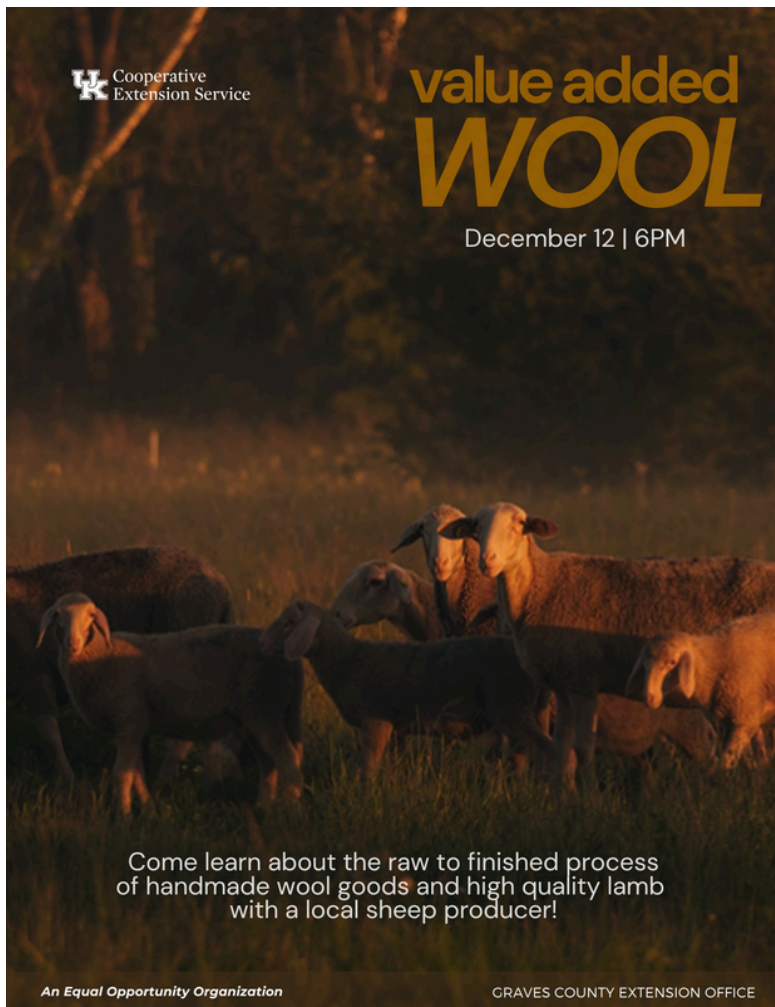


Save the date

2025 Winter Ag Conference

January 31, 2025
Lowry Farms

KCTCS
Martin-Gatton College of Agriculture, Food and Environment
AG WAVE



Cooperative Extension Service

value added WOOL

December 12 | 6PM

Come learn about the raw to finished process of handmade wool goods and high quality lamb with a local sheep producer!

An Equal Opportunity Organization
GRAVES COUNTY EXTENSION OFFICE



KENTUCKY COOPERATIVE EXTENSION

2025 Private Applicator Trainings

Hosted at the Graves County Extension Office

January 14, 2025
8:30am or 5:30pm

January 21, 2025
8:30am or 5:30pm

Light snacks provided.
Let us know you're coming by calling 270-247-2334

In the event of inclement weather, please call the office or check our Facebook page before coming!

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

Disability accommodations with prior notification.



WINTER ANNUALS AND WINTER FEEDING FIELD DAY

Saturday, December 14, 2024

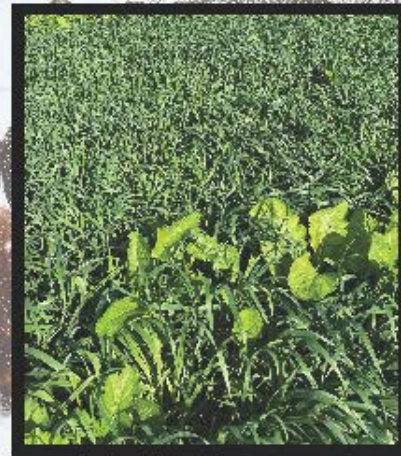
University of Kentucky Research and Education Center

10:00 a.m. - 12:00 p.m.

348 University Drive, Princeton, KY 42445

Topics include:

- Winter hay feeding strategies
 - Bale grazing
 - Strip grazing stockpile
 - Hay feeders
- Simplifying winter nutrition
- Stockpiling fescue
- Frost seeding
- Planting and grazing winter annuals
- FREE LUNCH included!



Kentucky Master Grazer
Educational Program



Kentucky
Forage and
Grassland
Council



This event is FREE to attend. Please register for a headcount for FREE lunch.

***Please follow signage once arriving at the Research & Education Center**



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



2025 WINTER WHEAT MEETING

February 4, 2025

Bruce Convention Center
Hopkinsville, KY 42240

9am-3pm central

Registration 8:30 ct

CCA and Pesticide Credits pending.

What are We Learning From YEN in KY? - Phil Needham

Herbicide Residual Application Timing for Ryegrass Control
- Dr. Travis Legleiter

On-farm Grain Fumigation Options - Josh Wilhelm

Dealing with DON: Management of Fusarium Head Blight
and DON in Wheat - Dr. Carl Bradley

How Nitrogen and Sulfur Fertility Influences Wheat Grain
Yield and Protein Content - Dr. Edwin Ritchey

Current Wheat Crop Update - Dr. Chad Lee

Wheat Varieties Tolerance to Metribuzin and Opportunities
to Improve Italian Ryegrass Management
- Dr. Samuel Revolinski

Overview of Kentucky Wheat Yield Contest 2015-2024
- Dr. Mohammad Shamim



Cooperative
Extension Service

MARTIN-GATTON COLLEGE OF AGRICULTURE, FOOD AND ENVIRONMENT

Agriculture and Natural Resources
Faculty and Chapter Directors
1010 Third Street
Community and Economic Development

Regional program of the United States Cooperative Extension system of people, programs, and resources to assist in the development of the rural community. This program is supported by the National Institute of Food and Agriculture, U.S. Department of Agriculture, U.S. Department of Education, U.S. Department of Health and Human Services, U.S. Department of Energy, U.S. Department of the Interior, U.S. Department of Justice, U.S. Department of Labor, U.S. Department of State, U.S. Department of Transportation, U.S. Department of the Environment, U.S. Department of Housing and Urban Development, U.S. Department of Veterans Affairs, U.S. Department of Wildlife and Fisheries, U.S. Department of the Treasury, U.S. Department of the Army, U.S. Department of the Navy, U.S. Department of the Air Force, U.S. Department of the Defense, U.S. Department of the Interior, U.S. Department of the Environment, U.S. Department of the Energy, U.S. Department of the Health and Human Services, U.S. Department of the Justice, U.S. Department of the Labor, U.S. Department of the State, U.S. Department of the Transportation, U.S. Department of the Treasury, U.S. Department of the Veterans Affairs, U.S. Department of the Wildlife and Fisheries, U.S. Department of the Army, U.S. Department of the Navy, U.S. Department of the Air Force, U.S. Department of the Defense.



KCHC Kentucky Crop Health Conference

Feb. 8, 2024 - National Corvette Museum - Bowling Green, Ky.

Speakers include University of Kentucky Extension Specialists
and invited nationally prominent Extension Specialists from across the United States



Thomas Butts
University of Arkansas
Topic: Drone Herbicide
Applications: What Do We
Need to Know for Success?



Nicholas Seiter
University of Illinois Urbana-Champaign
Topic: Above- and below- ground traits
for insect management in corn – new
tools, old pests, and resistance



Gregory Tylka
Iowa State University
Topic: Soybean Cyst Nematode:
Past, present, and future

Carl Bradley
University of Kentucky

Topic: Red Crown Rot of
Soybean: Disease Management
and Potential Impacts of this
New Disease on Soybean
Production in Kentucky



Travis Legleiter
University of Kentucky

Topic: Dealing with the
Stretch - Early Planted
Soybean and Weed Control

Raul Villanueva
University of Kentucky

Topic: Abundance of
Emergent Pests in the
2022-23 Corn and Soybean
seasons in Kentucky



Kiersten Wise
University of Kentucky

Topic: It's always something!
New com disease concerns for
Kentucky



Tickets on sale now - breakfast and lunch included
Conference sign-in begins at 8:30 a.m. CST

Scan QR Code or visit: <https://kchc2024.eventbrite.com> (non-refundable after Jan. 25, 2024)

CREDITS — CCA: 5 CEUs, IPM — PAT: 6 CEUs Category 1A (Ag Plant); 1 CEU Category 11 (Aerial)



TN-KY TOBACCO EXPO

Tuesday, February 4
2025

8:00am-1:00pm
Robertson County Fairgrounds
4635 Hwy 41 N
Springfield, TN 37172

SCHEDULE

- 7:30 Registration and Trade Show Open
- 9:00-10:15am GAP Training: Crop and Environmental Update
- 10:30-11:30am GAP Training: Labor and GAPC Updates
- 12:00-1:00pm Lunch

Growers must attend both GAP Training sessions in order to earn 2025 Annual GAP Training Credit

UT EXTENSION
INSTITUTE OF AGRICULTURE
THE UNIVERSITY OF TENNESSEE

UK Cooperative
Extension Service

2025 GAP TRAINING

**FEBRUARY 11, 2025
2-4PM**

Graves County Cooperative Extension
4200 US Hwy 45 N, Mayfield

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

GAP
CONNECTIONS

Cooperative
Extension Service
Agriculture and Natural Resources
Pesticide and Consumer Sciences
4-H Youth Development
Community and Economic Development

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Lexington, KY 40506



3rd Annual Joint Meeting date announced

First, mark your calendars to attend the 3rd Annual Joint Meeting of the Burley & Dark Tobacco Producer Association and Council for Burley Tobacco that will be held January 16, 2025. The meeting will once again be held in conjunction with the Kentucky Commodity Conference in Bowling Green, Kentucky at the Holiday Inn University Plaza. The meeting will be an all-day meeting, with lunch and refreshments provided. More detailed meeting information, and preregistration will be forthcoming soon.



Winter Cover Crop Can Improve Garden Soil

Source: Rick Durham, Extension Professor, Dept. of Horticulture

No matter how small your garden is, it can play an important role in absorbing carbon dioxide from the atmosphere and temporarily locking it in the soil. There are a number of ways you can improve on this natural cycle, but at this time of year, the best way is through a cover crop.

Soil left bare over the winter months is susceptible to weed growth, erosion that can wash away valuable nutrients and a loss of carbon into the atmosphere. Soil nitrogen left over from this year's crop is subject to leaching due to fall and winter precipitation. Planting a fast-growing cover crop can help prevent these problems. The term crop in this context may be misleading. These plants are not meant to be harvested. Instead, they add important nutrients, promote beneficial bacterial growth and stabilize the soil.

Easy and effective cover crops that can be planted at this time of year include annual rye grass, hairy vetch, red clover and winter rye.

Annual rye and winter rye are particularly effective as late-season cover crops. They germinate quickly and are an effective barrier against weeds. Grasses, however, do not capture nitrogen in their root system, so consider pairing rye with a legume, such as red clover or hairy vetch.

Hairy vetch and red clover work well as a cover plant, whether paired with rye or by themselves. Being legumes, they are excellent at fixing nitrogen in the soil. They are also prolific enough to reduce weeds and prevent erosion. In the spring, their blossoms will attract bees to your garden. If you worry about hairy vetch or clover reseeding in your lawn – though they're pretty plants and would add biodiversity and important nutrients – just cut them back before they bloom.

Come spring, you have two options. You can turn over your cover crop into the soil, allowing your vegetables or flowers to benefit from the nutrients it will slowly release. Or you can cut it back and let it die naturally, planting directly into the crop and using it as a mulch to continue to suppress weed growth and supply nutrients to your garden. Depending on which cover you plant, this may be easier said than done, because some, particularly grasses, are difficult to directly sow or plant into.

Grasses have a densely packed root system, which make them difficult to till or turn over. If your garden is particularly small or you're gardening in raised beds, rye might not be your best option. However, vetch and clover both have root clumps which are easily dug up and turned over or planted between. Be sure to terminate the cover crop before allowing the plants to go to seed.

For more information about building healthy soil, contact the Graves County office of the University of Kentucky Cooperative Extension Service.





The 2024-2025 Winter Outlook

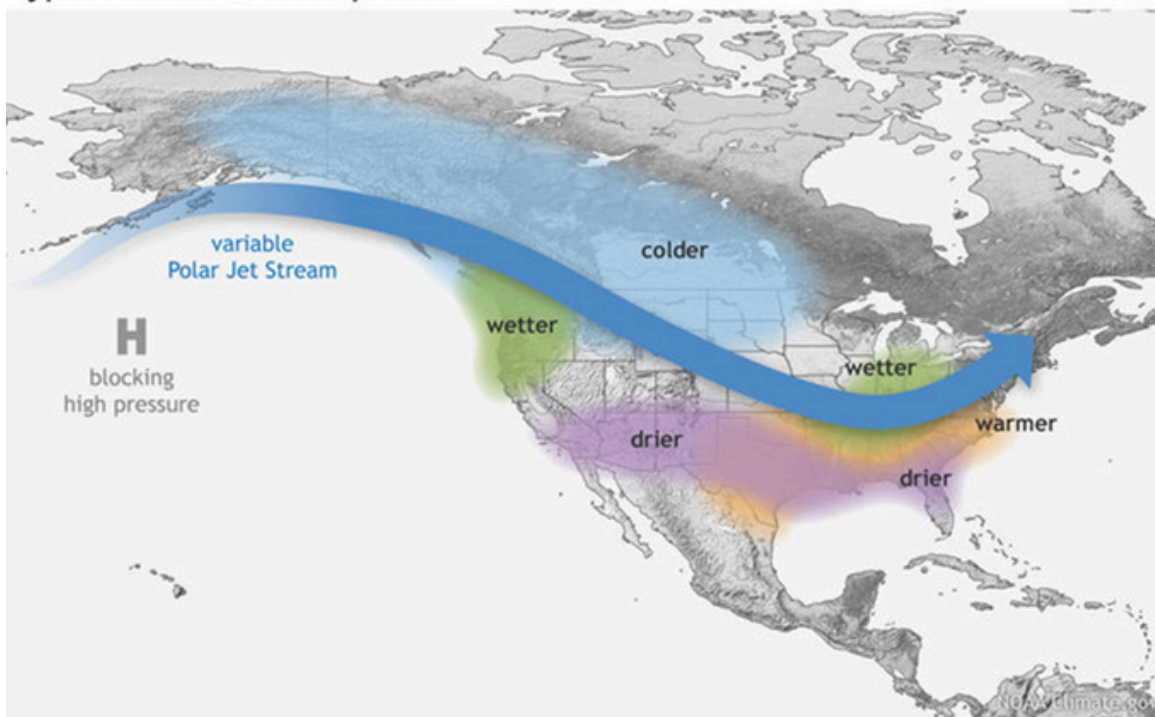
By Derrick Snyder- National Weather Service, Paducah, KY



La Niña conditions are favored to emerge and persist during the winter months, with a 75% chance of La Niña by November to January. La Niña, which is defined by much cooler ocean temperatures in the central and eastern tropical Pacific Ocean, will likely affect temperature and precipitation through the winter season. A typical La Niña pattern will bring disturbances through the Ohio Valley more frequently than usual, but whether this means Kentucky will see more snow than usual remains unclear. During the last few winters, the most impactful winter storms have occurred when a sudden, sharp transition from above normal to below normal temperatures is forecast, so that will be one item to pay close attention to during the day-to-day forecast.

The long-range winter outlook slightly favors increased chances for warmer than normal conditions across the Commonwealth. The outlook favors equal chances for above, below, or near normal seasonal precipitation (including all rain, snow, and ice) across much of Kentucky, with the exception of far northern Kentucky, where above normal precipitation is slightly favored. Much of the fall months have been marked by persist drier and warmer than normal conditions across the state, with persistent areas of widespread drought. The winter precipitation outlook suggests some drought improvement is possible through the winter.

Typical winter La Niña pattern

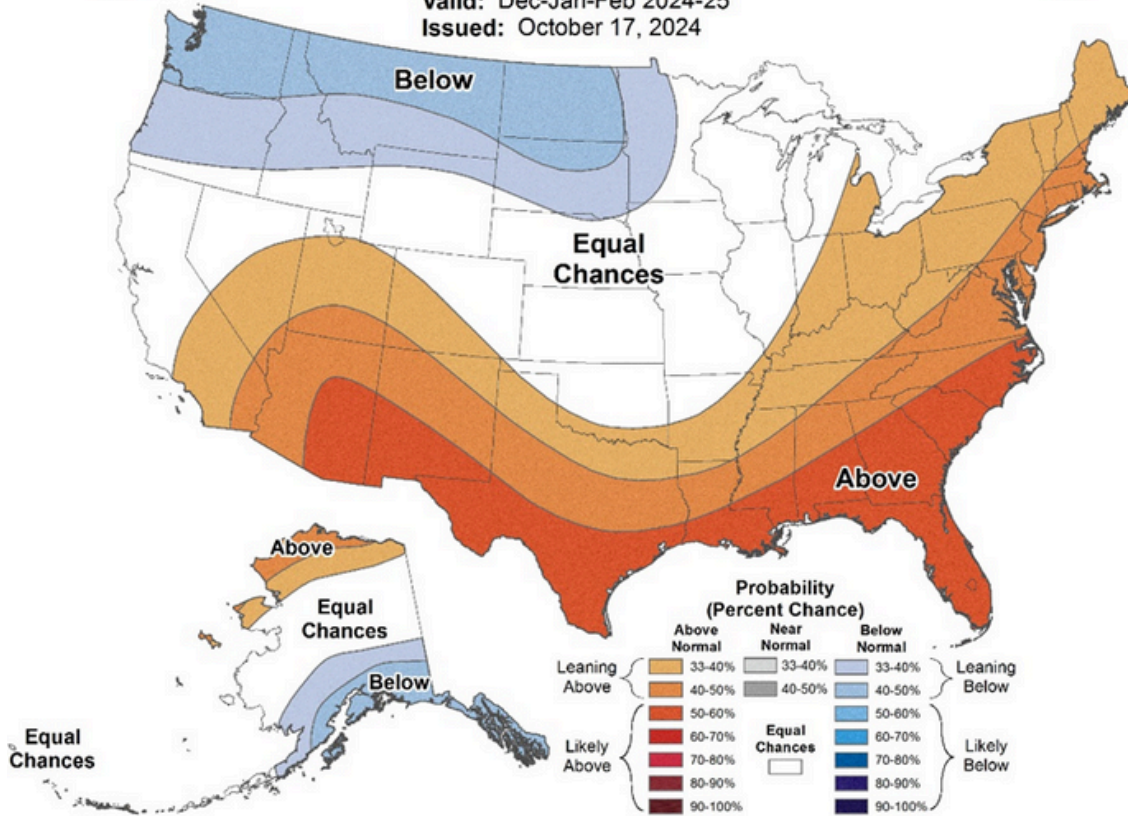




Seasonal Temperature Outlook



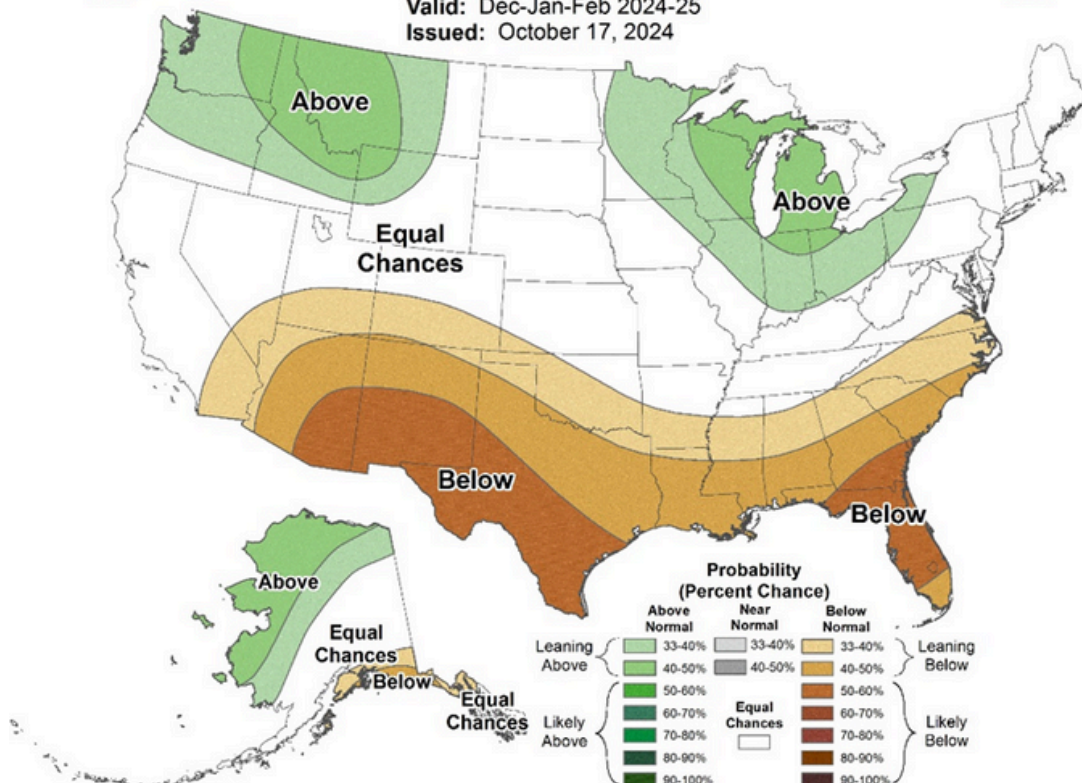
Valid: Dec-Jan-Feb 2024-25
Issued: October 17, 2024

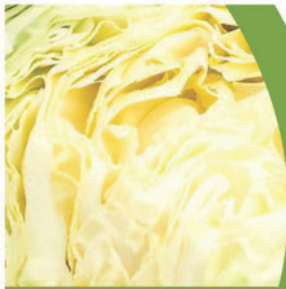


Seasonal Precipitation Outlook



Valid: Dec-Jan-Feb 2024-25
Issued: October 17, 2024





Cabbage Jambalaya

1 pound lean ground beef	1 (13 ounces) package turkey smoked sausage, sliced	1 (14.5 ounces) can diced tomatoes
1 ½ cups chopped celery	1 medium head cabbage, chopped (about 10 cups)	2 cups water
1 ½ cups chopped onion		1 cup brown rice
2 cloves garlic, minced		1 teaspoon garlic powder
		1 tablespoon Cajun seasoning

Heat a large stockpot over medium high. **Add** ground beef, and **cook** until it starts to brown, about 6 minutes. **Add** the celery, and **cook** for 2 minutes. **Add** onion and garlic, and **cook** 4 minutes while stirring. **Add** smoked sausage, and **cook** an additional 2 to 3 minutes. **Stir in** cabbage, and **cook** until it wilts, about 3 minutes. **Add** tomatoes, water, rice, garlic powder, and Cajun seasoning.

Bring to a **boil**, and **reduce** heat to medium. **Cover**, and **simmer** for 40 minutes. Serve hot.

Yield: 10, 1-cup servings

Nutritional Analysis:
250 calories, 8 g fat, 3 g saturated fat, 60 mg cholesterol, 400 mg sodium, 26 g carbohydrate, 4 g fiber, 6 g sugars, 0 g added sugars, 18 g protein

Kentucky Cabbage

SEASON: June to July and September to November

NUTRITION FACTS: Cabbage is low in fat and calories and is rich in vitamin A.

SELECTION: Leaves should be crisp and free of insects and decay. Avoid burst heads. Choose firm cabbages that are heavy for their size.

STORAGE: Cover loosely and store in refrigerator for up to 2 weeks. Wash just before using.

PREPARATION: Discard outer leaves and core.

To boil: Do not use aluminum pan. Cut cabbage into quarters and boil in water for 10 to 15 minutes, until tender. Drain and serve hot.

To steam: Place cabbage (shredded, wedges, or whole leaves) into a steamer basket. Cook 12 to 15 minutes, until tender. To bring out the natural flavor, add apples, pears, raisins, curry, caraway, dill, or onions.

To stir-fry: Shred cabbage, and place in a skillet that has been sprayed with cooking spray or oil. Cook quickly over high heat, stirring constantly.

CABBAGE

Kentucky Proud Project
County Extension Agents for Family and Consumer Sciences
University of Kentucky, Dietetics and Human Nutrition students
November 2019

Source: www.fruitsandveggiesmatter.gov

Buying Kentucky Proud is easy. Look for the label at your grocery store, farmers market, or roadside stand.
<http://plateitup.ca.uky.edu>



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Deer Camp Breakfast Sausage



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



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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
Calories 190

	% 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.

