

AG UPDATE

WINTER 2024

Hardin County Cooperative Extension
111 Opportunity Way, Elizabethtown, KY
(270) 765 - 4121 | hardin.ca.uky.edu



AGENT MESSAGE

As colder weather settles in, it's a good time to make sure your equipment, livestock shelters, and water sources are ready for freezing temperatures. Take some time to check on your supplies and review your plans for the new year. A little prep now can make a big difference later—stay safe and stay warm!

We are beginning the meeting season. In the newsletter there is information about upcoming local and state programs that may benefit your operation.

As many of you all may know, Daniel Carpenter has accepted the Hardin County Director position so he is no longer an Ag Agent but will still be working in the office. We are starting the process to hire for that position. If you have any questions, please reach out to me.

From our office to you, we wish you a restful, joyous holiday season.



Ashley Norton

Hardin County CES Agent for ANR
ashley.norton@uky.edu





ANNIE'S PROJECT

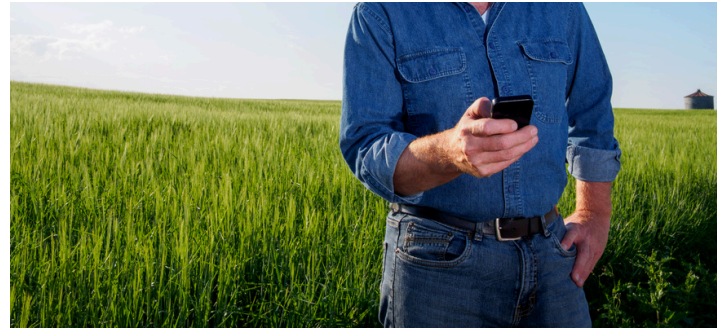
EMPOWERING WOMEN IN AGRICULTURE

The original 18-hour risk management - financial, human resource, legal, market, and production. Topics or emphases may vary as the content is localized to meet the needs of women farmers, ranchers and growers across the country, including rural and urban areas.

We are planning to host this program in Hardin County. If you are interested, please call the office at 270-765-4121 to be placed on an interest list.

TEXT UPDATES

If you want to receive texts about upcoming programs text the words "JOIN AG" to (270) 765-4121. You will be notified of all ag programs by text.



THE HARDIN COUNTY EXTENSION OFFICE WOULD LIKE TO WISH YOU

Happy Holidays

OUR OFFICE WILL BE CLOSED BEGINNING WEDNESDAY, DECEMBER 25, 2024 AND WILL REOPEN THURSDAY, JANUARY 2, 2025.



PROGRAM IDEA?

Scan the QR code and fill out the short survey or call us to request programs!

https://uky.az1.qualtrics.com/jfe/form/SV_bekKcVO57YFmZN4

Upcoming Hardin County Programs...

BQCA TRAINING

HARDIN COUNTY COOPERATIVE EXTENSION SERVICE
111 OPPORTUNITY WAY,
ELIZABETHTOWN, KY 42701



UPCOMING DATES:

- Tuesday, January 7th- 5:00pm - 8:00pm
- Friday, January 24th- 1:00pm - 3:00pm
- Monday, February 17th- 9:00am - 11:00am

Beef Quality and Care Assurance training is recommended for all cattle producers. It is also required for some investment areas of the CAIP program. The cost for the training is \$5 and checks need to be made out to "Kentucky Beef Network"

To register, call or text 270-765-4121 OR scan the QR code



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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Lexington, KY 40506



Upcoming HCCA meetings for 2025

-February 24th @ 6pm-
-March 31st @ 6pm-

These will be held at the
Hardin County Extension
Office



Cooperative Extension Service

HARDIN COUNTY GRAIN FARMER PROGRAM

JANUARY 28TH, 2025

8:30 AM until NOON

111 Opportunity Way, Elizabethtown, KY 42701

GRAIN CROPS DISEASES

Dr. Kiersten Wise

WEED CONTROL

Dr. Travis Legleiter

SOIL HEALTH

Shelby Watkins

LUNCH WILL BE PROVIDED

R.S.V.P. BY CALLING

270-765-4121

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Lexington, KY 40506



PRIVATE PESTICIDE APPLICATOR TRAINING

Hardin County Cooperative Extension Service
111 Opportunity Way, Elizabethtown, KY 42701

Cooperative Extension Service



Upcoming Dates:

Friday, January 10th - 9:00am - 12:00pm
Thursday, January 23rd - 8:30am - 11:30am
Monday, February 10th - 2:00pm - 5:00pm
Tuesday, February 25th - 5:30pm - 8:30pm
Wednesday, March 12th - 5:30pm - 8:30pm

Certification is valid for three years.

To register, call
or text 270-765-
4121 OR scan
the QR code.



https://uky.az1.qualtrics.com/jfe/form/SV_23w3jghTKWOSfeC

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Upcoming statewide events...

KCHC Kentucky Crop Health Conference

9 a.m. to 3 p.m. CST, Feb. 6, 2025 - National Corvette Museum - Bowling Green, Ky.



Wade Webster

North Dakota State University
Topic: Fueling the Future: Driving Predictive Models for Tar Spot



Alyssa Essman

Ohio State University
Topic: Planting green and the influence of cover crop termination timing on weed management



Justin McMechan
University of Nebraska—Lincoln

Topic: Unraveling emerging insect issues in agriculture: Impacts, challenges, and management tactics

Kiersten Wise

University of Kentucky
Topic: Stay one step ahead: Tracking corn diseases in Kentucky



Raul Villanueva

University of Kentucky
Topic: Management of slugs and snails through field efficacy tests in soybeans

Carl Bradley

University of Kentucky
Topic: Research update on Red Crown Rot of Soybean



Travis Legleiter

University of Kentucky
Topic: The fight against Italian Ryegrass in Kentucky: A persistent challenge



Tickets on sale now - breakfast and lunch included

Conference sign-in begins at 8 a.m. CST
Tickets non-refundable after January 30, 2025
Scan QR Code or visit: <https://kchc2025.eventbrite.com>
Credits: CCA: 4.5 CEUs in IPM;

KY Pesticide Applicator: 3 CEUs for Category 1A & 1 CEU for Category 10



Applications due
February 1

UK Martin-Gatton
College of Agriculture,
Food and Environment

KCARD
Kentucky Center for Agriculture and Rural Development

Kentucky SHEEP & GOAT
DEVELOPMENT OFFICE



KY Farm Launch Beginning Farmer Training Program

Launch into your farming journey with accelerated, hands-on farm training, business planning, and customized mentorship

Applications are open now for our 9-month, in-person training program that prepares beginning farmers for sustainable, commercial production.

Interested?

Visit our website for more details & apply:
<https://bfrdp.ca.uky.edu/>

Wednesday, January 15
Sloan Convention Center
Bowling Green
Registration: 11:30 a.m.
Lunch: noon
Concludes: 4:30



Tuesday, January 28
Ky. Soybean Office Princeton
1000 U.S. Hwy 62 W
Wednesday, January 29
Extension Office Etowah
111 Opportunity Way
Registration: 8:30 a.m.
Workshop at 9 a.m.
Concludes with lunch



This session features Jeff Kazin, co-founder of Agris Academy, and will focus on managing risk. Agris Academy provides world class education opportunities to farmers that give them the skill to merchandise, manage risk, and increase the profitability of their production with confidence. AgrisAcademy LLC is not a broker or an advisor but a company dedicated to educating and consulting in world class risk management skills. Their goal is to produce long-term and REPEATABLE results for your operation. At AgrisAcademy, they understand the significant divergence between what farmers are told they need to be effective marketers of their production and what they really need. Having been farmers and 50+ year veterans of a major grain and processing company, Agris' co-founders have seen growers miss millions of dollars in opportunities, not from speculating on markets, but from not using the correct tools for the situation. They have learned the tricks of the trade, and they know that their ability to simplify and provide relevant examples, combined with your desire to improve, will allow you and critical members of your team to learn and grow. Agris believes that farmers spend too much time focused on events and data that they cannot control. Reallocation of precious time to learning a lifetime skill will help you secure the competitiveness of your operation today, and for many generations to come.

These sessions feature University of Kentucky Ag Economist Dr. Jordan Shockley, who will share how farmers can take advantage of some of the programs offering premiums (along with potential pitfalls to watch out for in that space.) Dr. Shockley will be joined by Dr. Laura Lindsey from The Ohio State University. Dr. Lindsey's portion of the program will center around her extensive work with biologicals.



Lindsey headed up a Science for Success multi-state study in 2022 and 2023, in which the Science for Success team focused on biologicals that claim to support plant health and growth. These biologicals, often classified as inoculants or biostimulants, target improved nitrogen fixation, increased nutrient uptake or use efficiency, stimulated root growth and similar functions. Dr. Lindsey will share the results and implications of this large-scale study.



Scan here to register for the Bowling Green Workshop



PRESENTED BY



Scan here to register for Princeton and Elizabethtown Workshops



KY COMMODITY CONFERENCE

Thursday, January 16, 2025

HOLIDAY INN UNIVERSITY PLAZA & SLOAN CONVENTION CENTER
1021 Wilkinson Trace • Bowling Green, KY 42103 Phone: 270.745.0088

AGENDA All times are CST

- 7:00 a.m. **Early Riser Session**
Dr. Guilherme Anghinoni (Brazilian Agriculture)
Sponsored by AgriGold and Franklin Grain
- 8:00 a.m. **Registration & Trade Show Opens**
Welcome with coffee and donuts sponsored by FMC
- 9:30 a.m. **Marketing Session**
Bill Biedermann (co-founder of AgMarket.Net)
Sponsored by Syngenta
- 11 a.m. **Lunch & Keynote**
Andrew Pritchard (Nutrien Operational Meteorologist)
Remarks from Kentucky Ag Commissioner Jonathan Shell
Sponsored by Bayer Crop Science and Farm Credit Mid-America
- 1:00 p.m. **Ky. Soybean Association Annual Meeting**
- 2:00 p.m. **Ky. Corn Growers Association Annual Meeting, and Council Report**
- 3:00 p.m. **Ky. Small Grain Growers Association Annual Meeting, and Council Report**
Snacks sponsored by Stine
Coffee Break sponsored by Kentucky Pork Producers
- 3:45 p.m. **Deep Dive into Sustainable Aviation Fuel**
Paul Bertels (Farmgate Insights Senior Consultant)
- 6:00 p.m. **Grower Appreciation Reception**
Sponsored by Corteva and Ohio Valley Insurance
- 6:30 p.m. **Awards Celebration** - Sponsored by Pioneer and H&R AgriPower



Attendance at the Kentucky Commodity Conference is free of charge to farmers, thanks to the generosity of our sponsors. Registration is required so that organizers can plan for adequate seating and meals.

Cattle Timely Tips

Spring Calving Herd

- Be sure that weaned heifer calves are on a feeding program that will enable them to reach about 65% of their mature weight before the start of the breeding season. Rations should be balanced to achieve gains sufficient to get heifers from their current weight to that “target” weight. Heifers should reach their target weight approximately 30 days before the start of the breeding season.
- Body condition is important, plan an adequate winter program for cows to be at least body condition score 5 (carrying enough flesh to cover the ribs) before the calving and breeding season. This will help them to breed early in the spring. Thin cows should be fed to regain body condition prior to winter. Don't let cows lose weight/condition. Supplementation will most likely be needed. Find low-cost supplemental feeds to meet the nutrient needs of cattle.
- Divide the herd into groups for winter feeding:
 - weaned heifer calves
 - first-calf heifers, second-calvers and thin mature cows
 - the remainder of the dry cows which are in good body condition
 - herd sires
- Begin feeding the lowest quality forage to dry cows which are in good condition during early winter and save the best hay for calving time or for weaned calves.
- Order and number ear tags for next year's calf crop this winter. It is also a good time to catch up on freeze branding and replacing lost ear tags.

Fall Calving Herd

- The fall breeding season has started. Breeding can best be accomplished on stockpiled fescue pasture; otherwise, cows with calves should be fed 25-30 pounds of good quality hay or its equivalent. Supplement with grain, if needed, and minimize hay waste. **DON'T ALLOW THESE COWS TO LOSE BODY CONDITION PRIOR TO OR DURING THE BREEDING SEASON.** It is easy to wait too long to start winter feeding.
- If you haven't turned bulls out yet, have a Breeding Soundness Evaluation (BSE) performed on them (even if you used them this spring). A BSE is a risk management tool as BSE's accurately identify infertile bulls.
- Observe performance of bulls during breeding season. Watch cows for return to estrus, if you see several in heat, try to determine the cause and consider changing bulls.

General

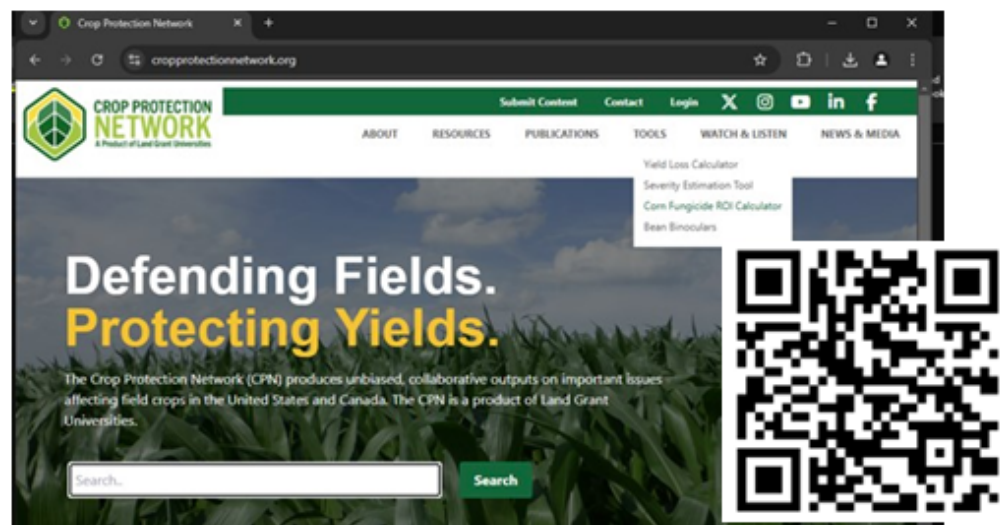
- Complete soil testing pastures to check for fertility and pH.
- Consider putting down geotextile fabric and covering with gravel in feeding areas before you begin hay feeding to minimize waste of expensive hay. Or, perhaps, construct concrete feeding pads for winter feeding areas.
- Another option to consider for winter feeding is bale grazing. Bale grazing helps spread nutrients across the pasture and can have regenerative effects on your pastures.
- Monitor body condition and increase feed, if needed, for all classes of cattle. It often gets cold in December and the nutrients needs of cattle increase as temperatures fall below their comfort level. Be especially mindful of cold, wet conditions and increase energy availability. Consult your nutritionist to ensure that your rations are meeting the nutrient requirements during stressful weather.

A New Tool to Help with Corn Fungicide Decisions in 2025

Farmers and other stakeholders have a new resource to help them make fungicide input decisions in corn. The interactive Corn Fungicide ROI Calculator is available through the Crop Protection Network website, <https://cropprotectionnetwork.org/fungicide-roi-calculator>. This calculator uses multiple years of University corn fungicide datasets from across 19 U.S. states and Ontario Canada to help predict the probability of a positive return on investment (ROI) for a range of fungicide products and economic scenarios in corn.

The tool, built in collaboration with the Crop Protection Network and the University of Wisconsin-Madison Data Science Institute, has over 1,100 data points and multiple Kentucky trials incorporated into the data set used for analysis.

Southern rust and tar spot were prominent diseases in many of the trials included in the data set, which also increases the relevancy to Kentucky farmers, as these are diseases that can be economically important in Kentucky.



The tool can be customized to reflect the user's expected yield, contracted or expected corn pricing, and actual fungicide costs from retailers or industry representatives. These customized numbers are used to calculate real estimates of ROI and the breakeven probability of specific products and expected yields, based on robust fungicide data sets. Results are based on a single fungicide application that occurs at tasseling/silking (VT/R1). The calculator will be updated annually with additional University data sets, improving its prediction accuracy and relevance over a broad geography. For questions on the calculator, contact Kiersten Wise, Extension Plant Pathologist at Kiersten.wise@uky.edu.

Dr. Kiersten Wise, Extension Plant Pathology, University of Kentucky

Other Events

12/25-01/01

Extension Office Closed for the
Holidays

01/16-01/17

KY Cattlemen's Convention
Owensboro

02/04

Winter Wheat Meeting
Hopkinsville

02/12-02/15

National Farm Machinery Show
Louisville

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Venison Chili

- 1 pound ground venison
- 1 large onion, chopped
- ½ green pepper, chopped
- 2 tablespoons vegetable oil
- 1 (16 ounces) can diced tomatoes
- 2 (16 ounces) cans chili beans, undrained
- 1 (8 ounces) can tomato sauce
- 1 bay leaf
- ½ teaspoon salt
- ½ teaspoon cumin
- ½ teaspoon garlic powder
- 1 tablespoon chili powder
- Black pepper to taste

In a Dutch oven or large skillet, brown meat, onion, and green pepper in vegetable oil. Add remaining ingredients. Simmer 1 hour on low heat, stirring frequently. Remove bay leaf before serving.

Alternative to stove-top cooking: use slow cooker set on high for 4 hours

Yield: 10 servings

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

Nutrition Facts	
10 servings per container	
Serving size	1 cup (230g)
Amount per serving	
Calories	190
% Daily Value*	
Total Fat 4.5g	6%
Saturated Fat 1g	5%
Trans Fat 0g	
Cholesterol 40mg	13%
Sodium 640mg	28%
Total Carbohydrate 20g	7%
Dietary Fiber 2g	7%
Total Sugars 4g	
Includes 0g Added Sugars	0%
Protein 16g	
Vitamin D 0mcg	0%
Calcium 67mg	6%
Iron 3mg	15%
Potassium 586mg	10%

* 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.



Venison Chili

If you have any questions please contact me at
270-765-4121 or ashley.norton@uky.edu.