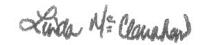
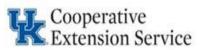
Agriculture Natural Resources Cooperative Extension Service **Newsletter**







Linda McClanahan, Mercer County Agent for Agriculture & Natural Resources



Martin-Gatton College of Agriculture, Food and Environment

Mercer County

1007 Lexington Road Harrodsburg, KY 40330 (859) 734-4378 mercer.ca.uky.edu linda.mcclanahan@uky.edu



NUISANCE WEED SPRAYING PROGRAM



NOTE: The registration period for this program is the month of February, and all registration must be done online at http://www.kyagr.com/consumer/nuisance- weed-spraying-program-application.aspx.

This program consists of weed spraying demonstration plots. The department will provide the sprayer and enough chemical for the treatment of 10 acres of agricultural land or 100 gallons of spot spraying mix to be used on agricultural land. The department's representative will demonstrate proper mixing and application techniques. A number of nuisance weeds can be treated under this program depending on the needs of the participant. This program is limited to broadleaf weeds.

Broadcast Spraying demonstration plots consist of:

- 10 acres of agricultural land will be treated with chemical provided by the department
- Application is performed with a two-wheeled trailer type sprayer equipped with boomless nozzles.
- If additional chemical is provided by the participant, an additional 10 acres can be treated.

Spot Spraying demonstration plots consist of:

- 100 gallons of broadleaf chemical mix which is applied until sprayer is empty.
- Application is performed with a two-wheeled trailer type sprayer equipped with a handheld spray wand used by the tractor operator.
- If additional chemical is provided by the participant, an additional 100 gallons can be sprayed

For each demonstration:

- The participant must provide water source.
- The participant must provide tractor and operator.

Lexington, KY 40506

- All chemical products must be labeled and the product label will be strictly followed
- A maximum of 7 participants per county.

This program is designed to target weeds that have a negative impact on the participant's agricultural production. There will be an annual online application period to participate in this program. Applications can be completed from February 1st to February 29th. To submit an application, please go to

http://www.kyagr.com/consumer/nuisance-weed-spraying-program-application.aspx

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

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.





Winter and Early Spring River Flooding Jane Marie Wix – National Weather Service Jackson, KY

I came across an interesting quote recently from a man named Dean Acheson that said, "You can't argue with a river - it is going to flow. You can dam it up, put it to useful purposes, you can deflect it, but you can't argue with it." As we head into the winter months, rivers seem to become more "argumentative" as they swell and flood. So why do we typically see most of our river flooding in the winter and early spring here in Kentucky?

There are several factors...

- 1. During the winter months, the lack of vegetation, and the cold and occasionally frozen ground make it unable to absorb as much water. This creates more runoff into area creeks and streams, and eventually into the riverways.
- 2. The winter also tends to bring more amplified/stronger storm systems, which can result in more widespread significant precipitation. Typically in the spring and summertime, heavy precipitation associated with storms is more localized, while in the winter, it can cover vast expanses, leading to more impacts on the rivers.
- 3. Jam it isn't just for bread! Ice floating down the river can get backed up and dam up the waterway, known as an ice jam. The water behind the jam will rise and flow out of the banks, leading to areal flooding. Subsequently, the jam will eventually release, sending large chunks of ice down the river, and leading to potential damage downstream as well. This is more typical farther north than Kentucky, where rivers are more likely to freeze over.
- 4. As we head into the early spring months, or even a warm spell after a large winter event, rising temperatures begin to melt away at the snow and ice on the ground. If too much ice or snow melts at once, this creates a large amount of runoff into the waterways, leading to significant river rises. This gets amplified when heavy rains also fall on top of the melting ice and snow.
- 5. According to FEMA and the National Inventory of Dams (2007), there are more than 80,000 dams in the United States. Dam failure or levee breaches can occur with little warning. Failures and breaches can be slow, lasting from days to weeks, or can be very abrupt with profound impacts to locations downstream. Causes of dam failure vary from natural causes such as prolonged rainfall, landslides, earthquakes, or erosion to human causes such as improper maintenance and design, and negligent operation.



Know your risk... Is your home, business, or school near a river or stream? Are you in the flat land adjacent to that river or stream? More than likely if you answered yes, you are located in a floodplain. Floodplains are the natural overflow for rising waters in these streams and rivers, and were formed/flattened by repeated flooding and water flows. Where is water likely to collect on the roadways you most often travel? What is the fastest way to get to higher ground? Knowing the answers to these questions ahead of time can save your life.

Clay City, KY. Persistent heavy rain causes major flooding across east Kentucky February 27-March 1, 2021 (NWS Jackson)

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Kentucky Crop Health Conference

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

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



University of Arkansas Thomas Butts

Applications: What Do We Need to Know for Success? Topic: Drone Herbicide



University of Illinois Urbana-Champaign Nicholas Seiter

Topic: Above- and below- ground traits for insect management in corn – new tools, old pests, and resistance



Gregory Tylka lowa State University

Topic: Soybean Cyst Nematode: Past, present, and future



Soybean: Disease Management and Potential Impacts of this

New Disease on Soybean Production in Kentucky

Topic: Red Crown Rot of

Carl Bradley University of Kentucky

Travis Legleiter University of Kentucky

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



Emergent Pests in the 2022-23 Corn and Soybean seasons in Kentucky

University of Kentucky Topic: Abundance of

Raul Villanueva

Kiersten Wise University of Kentucky

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







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)

2024 KY Alfalfa and Stored Forage Conference Getting Started in the Hay Business

This program is designed for alfalfa and hay producers to learn more about improving their hay yield, hay production, marketing and promotion

Register online by

scanning the QR code with your

camera!

Thursday, February 8, 2024 8:00 to 3:30 CT WHEN

Warren County Extension Office Bowling Green, KY 42101 5162 Russellville Road

COST

\$40

(includes refreshments, catered lunch, printed proceedings)





https://2024ASFConference.eventbrite.com Mail-in Registration

Address:

Phone Number:

Email:

Admission General # of tickets

\$40

Admission

KFGC (Kentucky Forage and Grassland Council) Make checks payable to

and send to:

University of Kentucky REC 348 University Drive Attn: Caroline Roper

> Forage and Grassland

Council

Kentucky

Princeton, KY 42445



SOUTH CENTRAL KY TOBACCO GROWERS



Garrard County Extension Office 1302 Stanford Road, Lancaster, KY 40444

6:00pm: Meal begins—reservation required

6:30pm: Tobacco Production Update &

Disease Management

Dr. Bob Pearce, UK Tobacco Specialist

7:20pm: Tobacco GAP Certification & Update

Amy Rochkes, Gap Connection

Representative

8:30pm: Closing Comments & Announcements

COOPERATIVE EXTENSION





Lexington, KY 40506

ALL tobacco growers are invited and *urged* to attend.

This meeting qualifies for one hour commercial pesticide applicator CEU. This program is approved for GAP Certification and Re-Certification by all buying companies and market locations.

Make your meal reservations by noon, February 26 by calling your county office:

Boyle—859-236-4484 Mercer—859-734-4378 Estill—606-723-4557

Lincoln—606-365-2447 Casey—606-787-7384 Madison—859-623-4072

Garrard—859-792-3026 Pulaski—606-679-6361 Rockcastle—606-256-2403

Cooperative Extension Service

Agriculture and Natural Resources Pamily and Consumer Sciences 4-H Youth Development Community and Reproprie Development

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2024 Horses & Horsemen:

Join us for the 17th annual

PASTURES PLEASEII

Tuesday, March 5

Schedule:

5:30-Meal

6:00—How to Rescue a Pasture for Short Term Use, Dr. Jimmy Henning

6:30—Selecting Herbicides for Targeted Weed Control, Dr. Bill Witt

7:00—Not Just Triple 19 – Fertilizing
Pastures Based on Need,
Keenan Bishop





Ag Equine Programs
College of Agriculture, Food and Environment

Cooperative Extension Service

Scan QR code to RSVP



or go to tinyurl.com/pasturesplease24

Scott County
Extension Office
1130 Cincinnati Rd
Georgetown, KY 40324
502-863-0984

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

Mon., Feb. 22nd 6:00 PM @ Extension Office

Join us for our next 2024 educational meeting!

CATTLE MANAGEMENT MEETING

Role of Genomics in Beef Cattle Selection

Dr. Gordon Jones, Red Hill Farm



KY Cattlemen's Beef Program

Dan Miller, KBN Industry Coordinator

This class qualifies for KADF CAIP Educational credit for the cost share program.

FREE Steak Dinner Provided By:





Pay dues/renew your membership to be entered in special drawing!

If you plan to attend, please call the extension office 859-734-4378 by Monday, Feb 19th to RSVP.

Cooperative Extension Service

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BACKGROUNDERS MEELING

February 19 at 6:00 PM

Boyle County Extension Office 99 Corporate Drive—Danville, KY 40422

Meal begins at 6:00pm

6:30pm:

2023 Market Projections Risk Management

Dr. Kenny Burdine, UK Extension Livestock Economist

7:15pm:

Feeding Cattle in Confinement

Dr. Jeff Lehmkuhler, UK Extension Beef **Nutrition Specialist**

COOPERATIVE EXTENSION



College of Agriculture,

Lexington, KY 40506







Call your county office by February 16 for meal reservations.

Boyle-859-236-4484

Lincoln-606-365-2447

Garrard-859-792-3026

Mercer-859-734-4378

Cooperative **Extension Service**

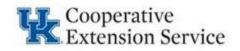
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RETURN SERVICE REQUESTED

February 8 February 12 February 13 February 14-17 February 15 February 19 February 22 February 27-28 February 29	KY Alfalfa & Stored Forages Conference, Bowling Green Mercer County Extension Leadership Appreciation Luncheon UK Beef Extension Webinar, 8:00pm National Farm Machinery Show, Louisville Mercer County Chamber of Commerce Annual Banquet, The Stable Area Backgrounders Meeting, Boyle County Extension Office, 6:00 PM Cattle Management Educational Meeting, 6:00pm KY Dairy Partners Meeting, Bowling Green Area Tobacco Meeting, Garrard County Extension Office, 6:00 PM
March 2 March 5 March 9 March 10 March 11 March 17-23 March 18 March 21 March 25 March 28	Mercer County Youth Investment Spaghetti Dinner Fundraiser, The Stable Pastures Please Program, Scott County Extension Office Mercer County Fair Fundraiser, The Stable Fort Harrod Backcountry Horsemen Annual Meeting Private Pesticide Applicator Training, 10 AM Kentucky Agriculture Literacy Week Private Pesticide Applicator Training, 1 PM Mercer County Farm/City Celebration Private Pesticide Applicator Training, 6 PM Cattle Management Educational Meeting