


Agriculture Natural Resources Newsletter FEBRUARY, 2024

 Cooperative
Extension Service

Martin-Gatton
College of Agriculture,
Food and Environment

Mercer County
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Harrodsburg, KY 40330
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Linda McClanahan

Linda McClanahan, Mercer County Agent
for Agriculture & Natural Resources



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.
- 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
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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

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)

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 corn 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 — COA: 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



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

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

COST
\$40
(includes refreshments, catered lunch, printed proceedings)

Register online by scanning the QR code with your camera!



SCAN HERE

<https://2024ASFCconference.eventbrite.com>

Mail-in Registration

Name: _____

Address: _____

Phone Number: _____

Email: _____

# of tickets	General Admission	# of tickets	Student Admission
x \$40	+	x \$15	=

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



University of Kentucky REC
Attn: Caroline Roper
348 University Drive
Princeton, KY 42445



SOUTH CENTRAL KY TOBACCO GROWERS

Thursday, February 29

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

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.

COOPERATIVE EXTENSION



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

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Lexington, KY 40506



Disabilities
accommodated
with prior notification.

2024 Horses & Horsemen:

Join us for the 17th annual

PASTURES PLEASE!!

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



College of Agriculture,
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Ag Equine Programs
College of Agriculture, Food and Environment



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
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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.

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LEXINGTON, KY 40546



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AREA BACKGROUNDERS MEETING

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



This meeting qualifies for CAIP
Educational requirement.

**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

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Harrodsburg, KY 40330

RETURN SERVICE REQUESTED

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

Upcoming
EVENTS