

# Marion County Ag Extension Newsletter

## August 2023

### In this newsletter:

Very Berry Salsa

Farmers Market Week

Upcoming Events

Field Crop Pest Workshop

Sheep and Goat Field Day

Grazing School

Grazing Conference

Kids Section

National Weather Service

### A Word From Your County Agent:

Summer months have come and gone just like that!

As the hustle and bustle of school and fall sports begin, please remember harvest season is upon us and quickly approaching. Please be safe on roadways this fall.

Be sure to visit Kentucky State Fair August 17-27th in Louisville. The state fair is a great display of Kentucky agriculture and an accomplishment of long hours preparing for livestock shows and 4-H exhibits.



Agriculture and Natural Resources Agent  
Marion County Extension Office  
416 Fairgrounds Road  
Lebanon, KY 40033  
Office: (270) 692-2421  
Email: [chelsea.sapp@uky.edu](mailto:chelsea.sapp@uky.edu)

### 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.

Lexington, KY 40506



Disabilities  
accommodated  
with prior notification.





## Very Berry Salsa

**4 cups** apples,  
finely diced  
**1 cup** blueberries  
**1 cup** strawberries,  
diced

**1 cup** raspberries,  
halved  
**1 cup** blackberries,  
halved

**1 tablespoon** fruit preserves  
**½ tablespoon** sugar  
**½ tablespoon** brown sugar

In a large bowl, **combine** apples and berries. In a small bowl, **mix** together preserves and sugars until well blended. **Pour** preserve mixture over fruit and **toss** to coat. **Cover** and **chill** in the refrigerator for at least 30 minutes.

**Yield:** 32, 2 ounce servings

**Nutritional Analysis:** 20 calories,  
0 g fat, 0 mg cholesterol, 0 mg sodium,  
5 g carbohydrate, 1 g fiber, 4 g sugar,  
0 g protein



Buying Kentucky Proud is easy. Look for the label at your grocery store, farmers' market, or roadside stand.

## Kentucky Brambleberries

**SEASON:** June-August

**NUTRITION FACTS:** All brambleberries are a valuable addition to the diet. They provide fiber and are a good source of potassium and vitamin C. One cup of raw berries contains 70 calories and no fat.

**SELECTION:** Look for plump fruit, uniform in color and appearing fresh. Berries should be free of stems or leaves. Avoid moldy, crushed or bruised fruit. Do not use berries that have moisture leaks staining the carton.

**STORAGE:** Store unwashed, covered berries in the refrigerator. Use within two days.

**PREPARATION:** Handle all berries gently. Raspberries are more delicate and perishable than

other brambleberries. Wash berries by covering them with water and gently lifting the berries out. Remove any stems and drain on a single layer of paper towels.

**PRESERVING:** Berries may be preserved by canning or freezing or used for making jellies or jam.

### KENTUCKY BRAMBLEBERRIES

Kentucky Proud Project  
County Extension Agents for Family and Consumer Sciences  
University of Kentucky, Dietetics and Human  
Nutrition students  
June 2013

Educational programs of Kentucky Cooperative Extension serve all people regardless of race, color, age, sex, religion, disability, or national origin. For more information, contact your county's Extension agent for Family and Consumer Sciences or visit [www.uky.edu/fcs](http://www.uky.edu/fcs)

COOPERATIVE  
EXTENSION  
SERVICE

**UK**  
UNIVERSITY OF  
KENTUCKY  
College of Agriculture,  
Food and Environment

Source: [www.fruitsandveggiesmatter.gov](http://www.fruitsandveggiesmatter.gov)

# National Farmers Market

## Week

### August 6-12th



**Celebrate National Farmers Market week by visiting our local farmers market! Lebanon Farmers Market offers a fresh variety of great produce, baked goods, honey, crafts and more!**

**Lebanon Farmers Market:**

**230 East Martin Luther King Avenue  
Lebanon, KY 40033**

**Market hours of operation:**

**Wednesday's 8am-12:30pm  
Saturday's 8am-12:30pm**



**Lebanon KY Farmers  
Market**





# Upcoming Events

**August 7th**

**BQCA Training 1-3pm OR 6-8pm**

**\*Counts for CAIP Education\***

**Marion County Extension Office**

**Call to sign up 270-692-2421**

**August 8th**

**Sheep and Goat Meeting**

**7:00pm**

**Marion County Extension Office**

**August 12th**

**Ag Bash**

**Loretto Motherhouse Farm**

**515 Nernix Road Nernix, KY**

**10AM-2PM**

**August 17th**

**Marion County Cattlemen Meeting**

**7:00pm**

**Marion County Extension Office**

**August 17-27th**

**Kentucky State Fair**

**Kentucky Expo Center**

**Louisville, KY**

**September 5th**

**BQCA Training**

**9:00-11:00am**

**\*Counts for CAIP Education\***

**Marion County Extension Office**

**Call to sign up 270-692-2421**

**September 16th**

**Sheep and Goat Field Day**

**\*Counts for CAIP Education\***

**9:30am - 4:00pm**

**\$10 per person**

**see attached flyer**

**September 27-28th**

**Beginning Grazing School**

**\*Counts for CAIP Education\***

**see attached flyer**

**October 31st**

**Grazing Conference**

**\*Counts for CAIP Education\***

**see attached flyer**

**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  
Lexington, KY 40506



Disabilities  
accommodated  
with prior notification



**Aug 31, 2023**

8:00 am to 2 pm  
(sign in @ 7:30)

# Field Crop Pest Workshop

## Demonstrations and Talks

- Importance of Spray Droplet Size for Herbicide Applications
- Herbicide Symptomology
- Fungicide Spray Application Efficacy
- Fungicide Applications With Drones
- Tank Mixing and Adjuvants
- UK Pesticide Safety Education Program- Overview and Updates
- Diversity and Control of Stink Bugs in Ky Crop Fields

University of Kentucky  
Research and Education Center  
1205 Hopkinsville Street  
Princeton, KY 42445



CCA and PAT: Pending

**Pre-registration is required**

[KATSFieldCropPestWorkshop.eventbrite.com](https://KATSFieldCropPestWorkshop.eventbrite.com)

\$65 Registration fee



[kats.ca.uky.edu](https://kats.ca.uky.edu)

For more information contact  
Travis Legleiter ([Travis.Legleiter@uky.edu](mailto:Travis.Legleiter@uky.edu))  
or Lori Rogers ([lori.rogers@uky.edu](mailto:lori.rogers@uky.edu))



**KENTUCKY**  
*Small Grain*  
GROWERS' ASSOCIATION

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, or physical or mental disability, University of Kentucky, Kentucky State University, U.S. Department of Agriculture, and Kentucky Counties, Cooperating.  
LEXINGTON, KY 40546





## **Agenda**

**9:30-10am Check-in**

**10-10:20 Welcome**

**10:20-11:20 Equipment Needs, Shawn Harper, West KY Community  
& Technical College**

**11:20-12:20 Rotational Grazing/Hay Testing- Dr. Jimmy Henning,  
University of Kentucky**

**Lunch 12:20-1pm**

**Rotation:**

**Goat/Sheep Confirmation- 1-2:30 Taylor Graves, Washington  
County Agriculture Extension Agent**

**Hoof Trimming-1-2:30**

**Goat/Sheep Confirmation- 2:30-4:00 Taylor Graves, Washington  
County Agriculture Extension Agent**

**Hoof Trimming-2:30-4:00**

# 2023 Kentucky Beginning Grazing School

Helping livestock producers improve profitability with classroom and hands-on learning

*Emphasis on ruminants - beef, dairy, sheep, & goats*

**Wednesday, September 27, 2023**

**Thursday September 28, 2023**

**\*\*\*MEET AT WOODFORD COUNTY EXTENSION OFFICE EACH MORNING\*\*\***

- 7:30 Registration and refreshments
- 8:00 Introduction of staff and participants
- 8:15 Benefits of rotational grazing-Dr. Ray Smith, UK
- 8:35 Introduction to soils-Dr. John Grove, UK
- 9:05 Grazing math concepts/introduce field exercise-Dr. Katie VanValin, UK
- 9:35 Break & travel to field demonstration area
- 10:00 Hands on soil sampling-John Grove
- 10:20 Portable/seasonal water systems-Dr. Jeff Lehmkuhler, UK
- 10:40 Methods to assess pasture production and determine stocking rate-Dr. Ray Smith, UK
- 11:00 Hands-on: setting up small paddocks for grazing demonstrations-All Instructors
- 12:15 Lunch at farm (Woodford County Cattlemen)
- 1:00 Travel to local farm
- 1:30 Tour of local farm
- 3:00 Travel to teaching facility
- 3:30 Using electric fencing to control grazing-Jeremy McGill, Gallagher
- 4:00 Forage species for a comprehensive grazing system-Dr. Chris Teutsch, UK
- 4:30 Discussion and adjourn

- 7:30 Refreshments
- 8:00 Forage plant growth-Dr. Ray Smith, UK
- 8:30 Meeting the nutritional needs of grazing livestock-Dr. Jeff Lehmkuhler, UK
- 9:00 Financial assistance for improved grazing infrastructure-Adam Jones, NRCS
- 9:30 Break
- 10:00 Fencing types and costs-Dr. Morgan Hayes, UK
- 10:30 Fundamentals of laying out a grazing system-Dr. Jeff Lehmkuhler, UK
- 11:00 Small group project: grazing system design-Adam Jones, NRCS
- 12:00 Lunch (Woodford County Cattlemen)
- 1:00 How I made grazing work on the farm-Todd Clark, Clark Family Farm
- 1:30 Rejuvenating run-down pastures-Dr. Chris Teutsch, UK
- 2:00 Grazing myths that impact profitability-Greg Halich, UK
- 2:30 Complete grazing school evaluation
- 2:45 Travel to field demonstration area
- 3:00 Field exercise: observe grazed paddocks and hear reports from each group
- 3:30 Hay sampling and analysis-Jimmy Henning, UK
- 4:00 GPS and frost seeding demonstration-Brittany Hendrix
- 4:30 Final comments, diplomas, and adjourn





# 2023 Kentucky Beginning Grazing School

Helping livestock producers improve profitability with classroom and hands-on learning

**When:** September 27-28, 2023

**Where:** Woodford County Extension Office  
184 Beasley Drive, Versailles, KY 40383

**Cost:** \$60/Participant – includes all materials, grazing manual, grazing stick, fencing kit, morning refreshments, and lunch both days

**Program Registration:** DEADLINE is September 22, 2023

**Online Registration with CREDIT CARD AT:**

<https://www.eventbrite.com/e/2023-kentucky-beginning-grazing-school-fall-tickets-666511101647?aff=oddtcreator>

**Registration by U.S. Mail with CHECK:**

Christi Forsythe  
UK Research and Education Center  
348 University Drive, Princeton, KY 42445

Name: \_\_\_\_\_

Street: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Cell Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Number of participants \_\_\_\_\_ x \$60 per participant = \_\_\_\_\_ Total Amount



**Please make checks payable to KFGC**





# Grazing Conference

## Low Stress Livestock Handling for Serious Graziers

**October 31, 2023**

**Elizabethtown**

Hardin County Extension Office

7:30 AM - 3:30 PM CDT

**November 1, 2023**

**Lexington**

Fayette County Extension Office

7:30 AM - 3:30 PM EDT



### **Reducing Livestock Stress in Grazing Systems**

Curt Pate, Curt Pate Stockmanship



### **Fencing for Multi-Species Grazing**

Lewis Sapp, Stay-Tuff Fence



### **Designing Flexible Watering Systems**

Jeff Lehmkuhler, University of Kentucky



### **Designing Livestock Handling Facilities for Existing Structures**

Chris McBurney, McBurney Livestock Equipment



### **Local Producers and Spokesperson Contest**



### **Optimizing Resources with Multi-Species Grazing**

Greg Brann, Greg Brann Consulting

*For more information please visit [KFGC.ORG](http://KFGC.ORG)*



## Our speakers...

**Curt Pate** is a nationally renowned expert in low stress livestock handling. His focus on reducing stress in grazing systems makes him unique.

**Lewis Sapp** is a nationally recognized fencing expert with extensive experience in both temporary and permanent fencing systems.

**Jeff Lehmkuhler** is an award winning extension educator with more than 20 years of experience in designing flexible watering systems.

**Chris McBurney** has over 25 years of experience in designing, fabricating, and installing livestock facilities throughout the eastern United States.

**Greg Brann** is well known for his extensive knowledge of grassland ecosystems, grazing management, and mixed species grazing.

**Tickets: \$45 Advance / \$60 Onsite / \$15 Students**

### Register Online:

*Elizabethtown*-<https://2023-KY-Grazing-Conference-Hardin>

*Lexington*-<https://2032-KY-Grazing-Conference-Fayette>

**Register by Email:** [info@kfgc.org](mailto:info@kfgc.org)

**Register by Phone:** 513-470-8171

**Register by Mail:** Christi Forsythe, PO Box 469, Princeton, KY 42445

Make Checks payable to: **KFGC**

Name: \_\_\_\_\_

Street: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Cell Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Number of participants \_\_\_\_\_ x \$45per participant = \_\_\_\_\_ Total Amount

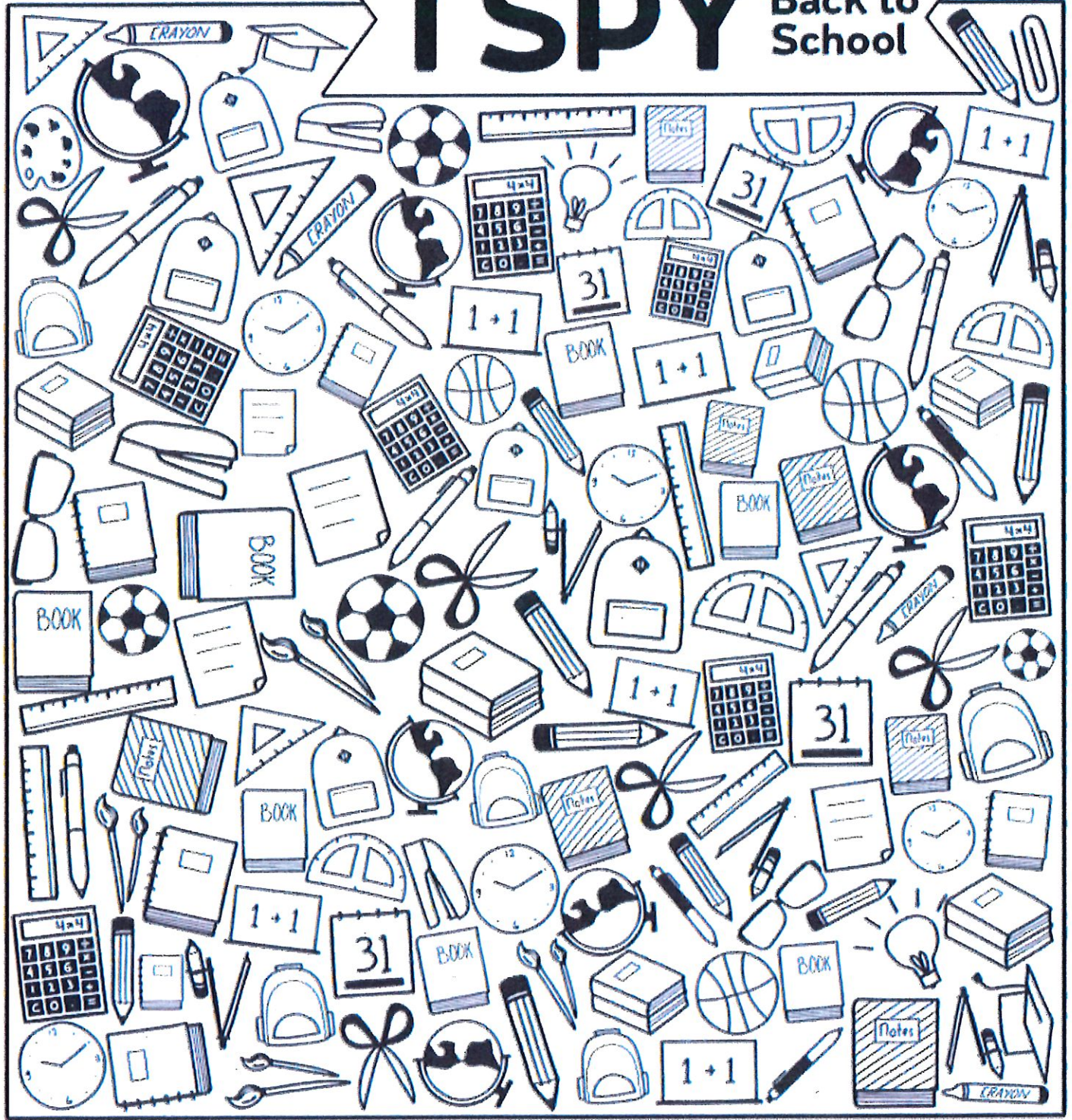
Names of additional Participants: \_\_\_\_\_





# Kid's Section

# ISPY Back to School



- 2
- 4
- 4
- 5
- 4
- 5
- 7
- 4
- 6
- 5
- 1
- 6
- 7
- 1
- 3
- 6
- 7
- 4
- 7
- 5
- 3
- 3
- 4
- 6
- 2
- 7
- 5
- 9
- 6
- 3





## The Risk of Lightning and How to Stay Safe

*By Scherri Evans in association with National Weather Service Paducah, KY*

While fascinating to watch, lightning poses a threat to societies whether it be fires or getting struck. There are millions of lightning flashes each year in the United States alone and in the last 30 years, lightning strikes have caused numerous fatalities as well as life-long injuries. Understanding the dangers of lightning is essential to safeguarding yourself against the potential threat.

How do storms develop and produce lightning?

All storms go through differing stages of growth and development, but mainly form in the early parts of the day when the Sun heats the surface and pockets of air start rising. When they reach a certain point in the atmosphere, cumulus clouds begin to develop. As condensation takes place, ice crystals begin to form and drop in the layers of the atmosphere as they get heavier. The movement of these ice crystals allows them to develop electrification and as the heavier crystals drop, they become negatively charged in the middle and lower part of the clouds. Beneath the clouds, a positive charge develops on the ground creating a connection to the negative charges. Lightning forms as the electrification of the negative and positive charges becomes greater, causing a large spark of electricity to be released that is as hot as 50,000 degrees Fahrenheit.

How do I stay safe during a thunderstorm? Here are a few tips to keep in mind:

If you hear thunder, you are likely in an area that will allow you to be struck by lightning. The saying, "When Thunder Roars, Go Indoors" applies to all situations. The delayed reaction of not reaching cover is a catalyst for injuries and even fatalities. If you somehow find yourself in a situation where you cannot reach cover in a vehicle or covered shelter, the following tips apply:

1. Avoid open fields, the top of a hill or a ridge top.
2. Stay away from tall, isolated trees or other tall objects. If you are in a forest, stay near a lower stand of trees.
3. If you are in a group, spread out to avoid the current traveling between group members.
4. If you are camping in an open area, set up camp in a valley, ravine or other low area. Remember, a tent offers NO protection from lightning.
5. Stay away from water, wet items, such as ropes, and metal objects, such as fences and poles. Water and metal do not attract lightning, but they are excellent conductors of electricity. The current from a lightning flash will easily travel for long distances.

Make sure to follow your daily forecasts so you know what to expect for the weather each day. Whether you are working, playing sports, or having fun with family outside, be sure to take precautions and take action as soon as possible to avoid being struck by lightning.