



Jessamine County  
Agriculture



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

# AGRICULTURE NEWS

## AGRICULTURE & NATURAL RESOURCES

Cooperative  
Extension Service  
Jessamine County  
95 Park Drive  
Nicholasville, KY 40356  
(859) 885-4811  
www.jessamine.ca.uky.edu

Steve Musen  
Jessamine County Extension Agent  
Agriculture and Natural Resources



### March 2023

## Gardening in Small Spaces

6:30p pn Tuesday, March 28th at the Jessamine County Public Library  
600 South Main Street, Nicholasville

Interested in growing your own vegetables but your space is limited? Join Stave Musen, Jessamine County Extension Agent for Agriculture and Natural Resources, for an evening of hands-on learning. Take home educational resources, planting materials and free soil tests will be available for participants. This program is being jointly presented by, and hosted at the Jessamine County Public Library in Nicholasville.

Space is limited and preregistration is required by contacting:  
Amy Bessin  
(859) 885-3523  
ABessin@jesspublib.org



### Inside this issue:

Upcoming Events  
in Agriculture 2

Cook Wild!  
Recipe—Oven  
Fried Fish Filets 2

Upcoming  
Opportunities 3

Vegetable Gar-  
den Problems 4

Farm Equipment  
Maintenance 5

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

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



Disabilities  
accommodated  
with prior notification.

## Upcoming Events in Agriculture

- |          |  |              |  |
|----------|--|--------------|--|
| March 3  | Ag. Lenders Conference<br>@ Fayette Extension                  | March 30     | Jessamine County Beekeepers<br>6:00p @ Jessamine Extension     |
| March 9  | Jessamine County Goat Producers<br>6:00p @ Jessamine Extension | April 11, 13 | 2023 KY Fencing School<br>Scottsville and Richmond, KY         |
| March 20 | Jessamine County Cattlemen<br>6:30p @ Jessamine Extension      | April 20     | Small Fruit Production Workshop<br>6:00p @ Jessamine Extension |
| March 28 | Gardening in Small Spaces<br>@ Jessamine County Library        | April 25-26  | 2023 KY Beginning Grazing School<br>@ Princeton, KY            |
| March 29 | 2023 Drone Sprayer Workshop<br>@ Fayette Extension             |              |  |

For more information on any of these programs, please contact the Jessamine County Extension Office

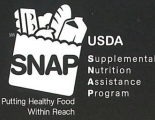


### Oven-Fried Fish Fillets

## Healthy Recipe From Cook Wild Kentucky



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



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

#### Oven-Fried Fish Fillets

- 1 pound fish fillets
- 2 tablespoons lemon juice
- 2 tablespoons vegetable oil
- ¼ cup shredded parmesan cheese
- ¼ teaspoon dill weed
- ¼ teaspoon salt
- ¼ teaspoon pepper
- 2 cups cornflake-type cereal, crushed

Preheat oven to 350 degrees Fahrenheit. Grease a 13x9 baking dish. Cut fillets into serving pieces, if necessary. In a small bowl, combine lemon juice and vegetable oil. In a separate small bowl, mix Parmesan cheese, dill weed, salt, and pepper. Dip each fillet into lemon juice mixture. Lay in baking dish, sprinkle with cheese mixture, and coat with crushed cereal. Bake uncovered for 20 to 30 minutes or until fish flakes easily.

**Yield:** 4 servings

Adapted from "Fish and Game Cookbook" by Bonnie Scott, Copyright 2013, Bonnie Scott

Nutrition Facts	
4 servings per container	
<b>Serving size</b>	<b>4 ounces (110g)</b>
Amount per serving	
<b>Calories</b>	<b>200</b>
% Daily Value*	
<b>Total Fat</b> 6g	<b>8%</b>
Saturated Fat 1g	5%
Trans Fat 0g	
<b>Cholesterol</b> 80mg	<b>27%</b>
<b>Sodium</b> 330mg	<b>14%</b>
<b>Total Carbohydrate</b> 12g	<b>4%</b>
Dietary Fiber 0g	0%
Total Sugars 1g	
Includes 0g Added Sugars	0%
<b>Protein</b> 24g	
Vitamin D 1mcg	6%
Calcium 97mg	8%
Iron 6mg	35%
Potassium 449mg	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.



## Upcoming Opportunities:

### Jessamine County Winter/Spring Training Series

Join the Jessamine County Extension Ag. And Natural Resources program for a series of training opportunities this winter. In-person training sessions will start at 6:00p and will include a light dinner. Preregistration is required.

- **March 28** “Gardening in Small Spaces”  
6:00p @ Jessamine County Library
- **April 20** “Small Fruit Production”  
With Dr. Shawn Wright, U.K. Horticulture Specialist

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### Agricultural Lenders’ Conference

10:00a-1:30p—March 3rd @ Fayette County Extension Office  
See flyer for registration information

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### 2023 Drone Sprayer Workshop

March 29, 8:15a-3:30p @ Fayette County Extension Office  
This Program is designed for agriculture professionals and producers to learn the newest way to disperse chemicals with drone sprayers. This will be a combination of classroom and hands-on learning. See the attached flyer for registration information.

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### 2023 Kentucky Fencing School

April 11—Scottsville, KY and April 13—Richmond, KY  
This program is designed for producers and agriculture professionals through a combination of classroom and hands-on learning. See attached flyer for registration details.

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### 2023 Kentucky Beginning Grazing School

April 25-25 @ Kentucky Soybean Board Office, Princeton KY  
Helping livestock producers improve profitability with classroom and hands-on learning. See attached flyer for registration information

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### Follow us on Facebook

@ Jessamine County Agriculture





## Problems and Pests of Popular Garden Vegetables

**“Pests are sometimes challenging to identify and even more challenging to manage.”**

Many Kentucky gardeners grow tomatoes, peppers, eggplant and potatoes for their own use or for sale in local farmer’s markets. Pests are sometimes challenging to identify and even more challenging to manage.

The University of Kentucky College of Agriculture, Food and Environment advocates for a sustainable approach to managing pests by combining biological, cultural, physical and chemical tools in a way that minimizes economic, health and environmental risks. A key part of that is to continually scout and monitor your garden to identify problems before they result in a significant loss.

The UK Cooperative Extension publication ID172—An IPM Scouting Guide for Common Pests of Solanaceous Crops in Kentucky—may help you identify common pests. The publication has a variety of photographs that show exactly what to look for in your crop.

Some of the items the publication covers include:

1. Physiological and nutrient disorders such as vivipary, gold fleck, catfacing, zippering, sunscald, blossom end rot, blotchy ripening, yellow shoulder, white core.
2. Insect pests such as aphids, leafminer, greenhouse whitefly, silverleaf whitefly, tobacco flea beetle, potato flea beetle, margined blister beetle, stink bugs, leaf-footed bugs, western flower thrips, two-spotted spider mite, Colorado potato beetle, tobacco hornworm, pepper maggot, beet armyworm, yellow-striped armyworm, tomato fruitworm, European corn borer.
3. Tomato, pepper, eggplant and potato diseases and management.
4. Herbicide injury.
5. A list of resources for further study.

To view the publication, visit <http://www2.ca.uky.edu/agc/pubs/id/id172/id172.pdf>.

*Dr. Ric Bessin, UK Extension Entomologist, Dr. Nicole Gauthier, UK Extension Plant Pathologist*



## Top 10 Routine Tractor Maintenance Tasks

Tractor maintenance tends to fall by the wayside when you get busy. Don't put these tasks off until spring and summer. Performing a simple front-to-back routine every week can help you remember key maintenance points. The manufacturer will have suggested intervals for most of the maintenance tasks, so you won't have to do everything every week. But the routine will prompt you to ask if it is time to do specific tasks.

1. Be ready for the growing season before it starts with these 10 routine maintenance tasks.
2. Inspect the front axles and steering. Is it time to grease the bearings and steering components? Make sure nothing is loose.
3. Check the coolant system. Make sure the coolant levels are adequate. Ensure the radiator is not plugged up with debris.
4. Look at those belts. Check to see they have the right tension and that they are not cracked. This will prompt you to have a spare on hand.
5. The air filter is next. Make sure it is not clogged and robbing power from your engine by not allowing air to get through.
6. Check engine oil. You should check this daily, but if you haven't, a good time to do it is during your weekly inspection. Also, check the fluid itself to ensure it doesn't have any contaminants or water in it.
7. Pay attention to the battery. If your battery is not a maintenance-free battery, check the liquid levels. Examine the cables for corrosion and make sure they aren't rubbing against the frame components.
8. Check clutch and brake linkages. With everyday use, you may not notice linkage getting out of adjustment. Specifically check for free play and other linkage adjustments.
9. Look at the hydraulic reservoir. Make sure the fluid is at the correct level and change the fluid when needed. The system provides fluids for remote cylinders, and it the critical lubricating force in your tractor's transmission.
10. Test those tires. Make sure they are properly inflated.
11. Check the back of the tractor. Is it clean? Make sure the hydraulic hose connections are clean to keep dirt out of the system.

These simple procedures can extend the life of your tractors and protect your critical investment. For more information on equipment maintenance, contact the Jesamine County Cooperative Extension Service. .

*Dr. Tim Stombaugh, U.K. Extension Agricultural Engineer*

***“Tractor maintenance tends to fall by the wayside when you get busy. Don't put these tasks off until spring and summer.”***





College of Agriculture,  
Food and Environment

Organized by the Biosystems and Ag. Engineering, and  
the Kentucky Agriculture Training School (KATS)

# 2023 Drone Sprayer Workshop

*This program is designed for agricultural professionals and producers to learn the newest way to dispense chemicals with drone sprayers and will be a combination of classroom and hands-on learning*

**March 29 8:15 am-3:30 pm**

(sign in begins at 8:00)

**Fayette County Cooperative Extension**

**Office 1140 Harry Sykes Way**

**Lexington, KY 40504**



**Register at this link!!**

**<https://ukdronesprayerlexington2023.eventbrite.com>**

**Registrations are limited and will close on March 22, 2023  
\$105 fee includes workshop materials, refreshments and lunch**

If you have questions please contact:

Josh Jackson (joshjackson@uky.edu 859-218-4339) or Lori

Rogers (lori.rogers@uky.edu 270-625-2143 ext 21317)

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## 2023 Drone Sprayer Workshop Agenda

- 8:00** Registration and Refreshments
- 8:15** Welcome and Overview of the Day
- 8:30** Sprayer Drone Cost – *Josh Jackson/Karla Ladino, UK*
- Decision aid for cost analysis
  - Sizing (Over 55 lb or under 55 lb)
  - Cost per acre and cost per hour
- 9:15** UK Pesticide Safety Education Program (PSEP) – *Ric Bessin, UK*
- Overview & updates
  - Certified commercial / non-com. & private applicator
  - Category 11 aerial applicator
- 9:45** Break-Visit with Sponsors and Presenters
- 10:15** Federal Rules and Regulations – *Clint Quarles, KDA*
- FAA Part 107 & Part 137
  - Exemptions & waivers
  - Under 55 lbs vs Over 55 lbs
  - State laws
- 11:00** Fungicide Application in Corn – *Dr. Kirsten Wise, UK*
- Results of drone sprayer application
- 11:30** Nozzles Selection & Droplet Size – *Tim Stombaugh, UK*
- Spray patterns and uniformity
- 12:15** Lunch-Visit with Sponsors and Presenters
- 1:00** Outdoor Flights – *Caleb Canter, Aero Ag, LLC*
- Mission planning
  - Maintenance
  - Challenges
- Approx. 3:30** Questions, Survey and Wrap-up



# 2023 Kentucky Beginning Grazing School

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

**When:** April 25-26, 2023

**Where:** Kentucky Soybean Board Office

1000 Highway 62 West, Princeton, KY 42445

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

**Program Registration:** DEADLINE is April 10, 2023

**Online Registration with CREDIT CARD AT:**

[https://2023\\_Spring\\_KY\\_Grazing\\_School.eventbrite.com](https://2023_Spring_KY_Grazing_School.eventbrite.com)

**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

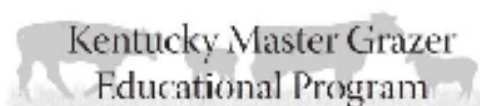
**Please make checks payable to KFGC**



The **KENTUCKY**  
*Forage and Grassland*  
COUNCIL



University of Kentucky  
College of Agriculture,  
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# 2023 Kentucky Beginning Grazing School

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

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

**Tuesday, April 25, 2023**

**Wednesday, April 26, 2023**

\*\*\*MEET AT KENTUCKY SOYBEAN BOARD OFFICE EACH MORNING\*\*\*

- |       |  |       |   |
|-------|--|-------|---|
| 7:30  | Registration and refreshments  | 7:30  | Refreshments  |
| 8:00  | Introduction of staff and participants   | 8:00  | Grazing Myths that Reduce Profitability - Dr. Greg Halich, UK   |
| 8:15  | Benefits of Rotational Grazing - Dr. Ray Smith, UK                                   | 8:40  | General Management Considerations for Grazing Livestock - Dr. Donna Amaral-Phillips, UK   |
| 8:35  | Meeting Nutritional Needs on Pasture - Dr. Donna Amaral-Phillips, UK                 | 9:20  | NRCS GRAZE Model - Dr. Chris Teutsch, UK  |
| 9:05  | Grazing Math Concepts/Introduce Field Exercise - Dr. Jeff Lehmkuhler, UK             | 10:00 | Break   |
| 9:45  | Break & Travel to Field Demonstration Area   | 10:30 | Fundamentals of Laying out a Grazing System - Dr. Jeff Lehmkuhler, UK   |
| 10:15 | Portable/Seasonal Water Systems - Dr. Jeff Lehmkuhler, UK                            | 11:00 | Case Study: Grazing System Design (Class Exercise) - Adam Jones, NRCS   |
| 10:30 | Methods to Assess Pasture Production and Determine Stocking Rate - Dr. Ray Smith, UK | 12:00 | Lunch   |
| 11:00 | Hands-on: Setting up Small Paddocks for Grazing Demonstrations - All Instructors     | 1:00  | How I made grazing work on the farm- Producer Speaker - TBD   |
| 12:00 | Lunch at farm  | 1:30  | Rejuvenating Run-down Pastures - Dr. Chris Teutsch UK   |
| 1:00  | Using Electric Fencing to Control Grazing - Jeremy McGill, Gallagher                 | 2:00  | Fencing Types and Costs - Dr. Morgan Hayes, UK  |
| 1:45  | Hands on: Offsets, soil, and hay sampling  | 2:45  | Complete Grazing School Evaluation  |
| 3:00  | Travel to teaching facility  | 3:00  | Travel to Field Demo Area   |
| 3:30  | Hands-on: Forage Plant Growth and Grazing Management - Dr. Ray Smith, UK             | 3:15  | Field Exercise: Observe grazed paddocks and hear reports from each group  |
| 4:15  | Forage Species for a Comprehensive Grazing System - Dr. Chris Teutsch, UK            | 4:00  | Hands-on: <ul style="list-style-type: none"><li>• GPS for grazing operations</li><li>• Grain Drill Calibration and Setup</li><li>• Forage related disorders</li></ul> |
| 5:00  | Discussion and adjourn   | 5:00  | Final comments and adjourn  |



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Disabilities  
accommodated with  
prior notification.

**Organized and Sponsored by the Kentucky Forage and Grassland Council,  
UK Cooperative Extension Service, and the Master Grazer Program**

*This program is designed for producers and agricultural professionals to learn the newest fencing methods and sound fencing construction through a combination of classroom and hands-on learning*

**WHEN:** April 11-Scottsville, KY  
April 13-Richmond, KY

**WHERE:** Allen County Extension Office  
200 E Main St  
Scottsville, KY 42164

SMK Agricultural Venue  
401 Brookstown Rd  
Richmond, KY 40475



**COST:** \$35/participant – includes notebook, refreshments, safety glasses, hearing protection, and catered lunch

**Registration DEADLINE:** 2 weeks prior to workshop

**ONLINE Registration with Credit Card:**

\_\_\_\_\_ Scottsville, KY [https://2023\\_Scottsville\\_KY\\_Fencing\\_School.eventbrite.com](https://2023_Scottsville_KY_Fencing_School.eventbrite.com)

\_\_\_\_\_ Richmond, KY [https://2023\\_Richmond\\_KY\\_Fencing\\_School.eventbrite.com](https://2023_Richmond_KY_Fencing_School.eventbrite.com)



**Registration by U.S. Mail:** Christi Forsythe  
348 University Drive  
Princeton, KY 42445

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

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

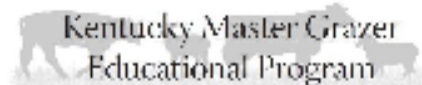
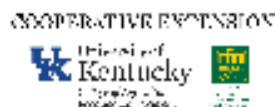
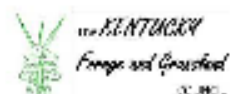
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip code: \_\_\_\_\_

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

Number of participants \_\_\_\_\_ x \$35 per participant = \_\_\_\_\_ Total Cost



**Make CHECKS payable to: KFGC**



**2023 Kentucky Fencing Schools**

For more information contact Krista Lea at 270-625-0712 or [Christi.Forsythe@uky.edu](mailto:Christi.Forsythe@uky.edu)



# 2023 Kentucky Fencing School Agenda

- 7:30 Registration and Refreshments**
- 8:15 Welcome and Overview of the Day – *Chris Teutsch, UK***
- 8:30 Fencing Types and Costs - *Morgan Hayes, UK***
- 9:00 Fence Construction Basics – *Eric Miller and Payton Rushing, Stay-Tuff***
- Perimeter fences vs. cross fences
  - Fencing options on rented farms
  - Proper brace construction
  - Line posts and fence construction
- 9:45 Break – visit with sponsors and presenters**
- 10:15 Electric Fencing Basics - *Jeremy McGill, Gallagher***
- Proper energizer selection and grounding
  - Proper high tensile fence construction and wire insulation
  - Electric offset wires for non-electric fences
  - Underground wires and jumper wires
- 11:00 Innovations in Fencing Technologies - *Josh Jackson, UK***
- Wireless fences, fence monitoring, fence mapping
- 11:30 Overview of Kentucky Fence Law - *Clint Quarles, KDA***
- 12:15 Catered Lunch - visit with sponsors and presenters**
- 1:00 Hands-on Fence Building**
- Safety, fence layout, and post driving demo - *Jody Watson and Tucker LaForce, ACI*
  - H-brace construction - *Jeremy McGill, Gallagher & Eric Miller and Payton Rushing, Stay-Tuff*
  - Knot tying, splices, and insulator installation - *Jeremy McGill, Gallagher & Eric Miller and Payton Rushing, Stay-Tuff*
  - Installation of Stay-Tuff Fixed Knot Fence - *Eric Miller and Payton Rushing, Stay-Tuff*
  - Installation of High Tensile Fencing - *Jeremy McGill, Gallagher*
- 4:30 Questions, Survey and Wrap-up**



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LEIGHTON, KY 40546



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