



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



April 2023

Small Fruit Production Training

6:00p pm Thursday, April 20th
Jessamine County Extension Office

Interested in learning to growing small fruit, everything from blueberries, strawberries, blackberries and raspberries? Maybe even a few fruit species that are less familiar? Join Dr. Shawn Wright, U.K. Horticulture Extension Specialist for an evening of hands-on learning. He will be covering everything from site selection and preparation, insect, disease and weed control, trellising, and harvesting. There will be free blackberry and raspberry seedlings available to class participants.

This training qualifies for CAIP Cost-Share educational requirements. A light dinner will be provided. Space is limited and preregistration is required by contacting the Extension Office at (859) 885-4811.



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LEXINGTON, KY 40546



Disabilities
accommodated
with prior notification.

Upcoming Events in Agriculture

April 13	2023 KY Fencing School Richmond, KY (see flyer)	April 25-26	2023 KY Beginning Grazing School @ Princeton, KY (see flyer)
April 13	Jessamine Co. Goat Producers 6:00 @ Jessamine Extension	April 26	Twisted Vine Garden Club 6:30p @ Jessamine County Public Library
April 17	Jessamine County Cattlemen 6:30p @ Jessamine Extension	April 27	Jessamine County Beekeepers 6:00p @ Jessamine Extension
April 18	JC Antique Farm and Equipment Association 6:30 @ Jessamine Ext.	June 17	20th Annual Kentucky Wine & Vine Fest with John Michael Montgomery Concert
April 20	Small Fruit Production Workshop 6:00p @ Jessamine Extension		
April 25	Managing Land Workshop Campbell County Extension Office (see flyer for registration info.)		

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



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Slow Cooker Wild Side Burgoo





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



USDA Supplemental Nutrition Assistance Program
Putting Healthy Food Within Reach

This work is supported by the Expanded Food and Nutrition Education Program from the USDA National Institute of Food and Agriculture.



Expanded Food and Nutrition Education Program

Healthy Recipe From Cook Wild Kentucky

Slow Cooker Wild Side Burgoo

- 4 medium potatoes, peeled and diced
- 1 cup cooked rabbit or chicken, cubed
- 1 cup cooked venison or beef, cubed
- 1 cup cooked squirrel or pork, cubed
- 1 cup cooked lima beans (or 1 15-ounce can, drained)
- 1 cup whole kernel corn (or 1 15-ounce can, drained)
- 3/4 cups chopped tomatoes (or 1 28-ounce can undrained)
- 1 1/2 cups cabbage, shredded
- 1/4 cup Worcestershire sauce
- 2 tablespoons vinegar
- 1 teaspoon sugar
- 1 teaspoon salt
- 1/2 teaspoon ground pepper
- 3 cups water

1. Wash hands with warm water and soap, scrubbing for at least 20 seconds.
2. Wash potatoes with a clean vegetable brush under running water before preparing.
3. Combine all ingredients in a 6-quart slow cooker. Stir to blend.
4. Cover with lid and cook on low for 8 hours.
5. Refrigerate any leftovers within 2 hours after slow cooker is turned off. Divide leftovers into smaller containers to allow quick cooling.

Yield: 12 servings
Serving Size: 1 cup

Adapted from "Slow Cooker Mount St. Joseph Burgoo" from "Pride of Kentucky" by University of Kentucky Cooperative Extension and Kentucky Department of Agriculture

Nutrition facts per serving:
210 calories; 3.5g total fat; 1g saturated fat; 0g trans fat; 50mg cholesterol; 460mg sodium; 25g total carbohydrate; 4g dietary fiber; 5g sugars; 0g added sugars; 20g protein; 0% Daily Value of vitamin D; 6% Daily Value of calcium; 15% Daily Value of iron; 10% Daily Value of potassium.



Upcoming Opportunities:

Jessamine County Small Fruit Production Training

April 20th—Jessamine County Extension Office @ 6:00p. With Dr. Shawn Wright, U.K. Horticulture Specialist. Space is limited and preregistration is required by calling (859) 885-4811.

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.)

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.)

Managing Land Workshop

Kentucky farmers and landowners new to land management should save the date for one of three conservation workshops focused on managing pollution. (See attached flyer on back for more information.)

Twisted Vine Garden Club

April 26th—Jessamine County Public Library @ 6:30p.

Steve Musen, ANR Agent, will be sharing information about developing a Pollinator Garden.

Jessamine County Beekeepers

April 27th—Jessamine County Extension Office @ 6:00p

Julia Mahood, Master Craftsman Beekeeper, will be sharing information on Drones. (see flyer)

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Alfalfa Weevil and Insecticide Effectiveness

“Once a population becomes resistant to an insecticide or a group of insecticides, the population may stay resistant for a long period of time, even if the insecticide is not used.”

A few years ago, a bioassay of alfalfa weevil larvae collected in a central Kentucky alfalfa field showed low levels of control by a pyrethroid compared to other insecticide modes of action. In this particular instance, pyrethroids were used exclusively for alfalfa weevil control for well over a dozen years. For alfalfa weevil, there are only 4 different modes of action registered. When pyrethroids lose their effectiveness, only three modes of action are left to select from for this pest. So, growers must be careful to not overuse one mode of action such that the pest population in an area becomes tolerant to that insecticide, or even resistant. Once a population becomes resistant to an insecticide or a group of insecticides, the population may stay resistant for a long period of time, even if the insecticide is not used.

Key IPM Strategy

IPM strategies can be used to prevent or delay the development of resistance. One key IPM strategy is to not use an insecticide unless the pest population exceeds the economic injury level on average across an entire proposed treatment area. This means the area needs to be monitored regularly (weekly) such that samples are taken to represent the entire field. Often with alfalfa weevil, there are pockets within the field that

exceed economic thresholds, but the entire field is not above the threshold. In this instance, either the person should hold off, wait, and resample to determine if the threshold is crossed at a later time, or spot spray those ‘hot’ spot areas. By delaying sprays or only spraying a portion of the field, natural enemies are preserved and the opportunity for natural control is increased.

Rotate Modes of Action

Proper pesticide management can also help prevent or delay resistance. If and when insecticide sprays are needed, it is important to rotate among modes of action. Repeated consecutive use of the same mode of action favors development of resistance to that mode of action. Rotating among different products within the same mode of action does not help and will also favor resistance. It is recommended to rotate modes of action with each new generation of the target pest. Since alfalfa weevil has one generation per year, this means that each year growers should rotate to a different mode of action from what was used the previous year. It is best to use 3 or more modes of action in rotation to fight the development of resistance.

Dr. Ric Bessin, UK Extension Entomologist



Growing Grass in Shady Lawns

Growing grass in the shade is a problem for which there are no easy answers.

Grass is a full-sun plant and when planted in shaded areas (defined as a site that receives less than 4 to 5 hours of direct sunlight daily) it performs poorly. The filtering effect of trees significantly reduces the amount and quality of light grasses receive. This has an adverse effect on photosynthesis, the process that produces energy needed for the grasses to grow. What we see from this effect are grasses that are thin, weak, and have a lower tolerance to disease, drought, and foot-traffic stress.

There are a few management practices that may help reduce the problems associated with growing grass in shade. Select shade-tolerant grasses when possible. Cool-season grasses like fine fescues (chewings, red, sheep, and hard fescues) have some shade tolerance but are not as tolerant of high temperatures. Traditional tall fescues can tolerate high temperatures but are less tolerant of shade. Warm-season grasses have even less to offer in shade tolerance.

Raise your mowing height. Turf growing in shade needs a large leaf surface to intercept as much available light as possible. Raise your mower blade to 3 inches or higher. Also, mowing more frequently is beneficial since shaded grasses have a tendency to grow long and narrow. Cutting excessively long grass will affect root growth and thus nutrient and water absorption by the plants. Remove clippings to prevent further reduction of light to the turf.

Reduce fertilizer applications. Lawn grass

in shade requires only half to two-thirds as much nitrogen as grasses in full sun.

Over-fertilizing can increase disease incidence and deplete carbohydrates resulting in thin turf. Maintain proper soil pH, potassium, and phosphorous levels by soil testing.

Reduce water usage. Grasses in shady areas require less water than grasses in full sun. Water on an "as-needed" basis (i.e., when leaves begin to roll up when impressions from foot traffic remain on the grass). When you do water, avoid shallow watering which encourages shallow roots.

Evaluate and modify existing trees. Trees that have open canopies and deep roots are more conducive to turf than those with dense foliage and shallow root. Some tree species that cause fewer problems are sycamores, oaks, and elms. Undesirable trees include willow, poplar, and some maples. Selectively pruning branches, especially low branches, can aid in light penetration. Ideally, the lowest branches of trees should be 6 feet above the soil surface. Topping trees is not a recommended practice.

If you have tried all these practices and are still unsuccessful at growing grass in shade, why not consider other alternatives such as ornamentals, mulch, or ground covers. Pea gravel, pine needles, and hardwood mulch is attractive and is certainly a better option than dirt or mud.

Andy Rideout, U.K. Extension Agent for Horticulture, Henderson County

“Growing grass in the shade is a problem for which there are no easy answers.”

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: |
| 5:00 | Discussion and adjourn | | <ul style="list-style-type: none"> • GPS for grazing operations • Grain Drill Calibration and Setup • Forage related disorders |
| | | 5:00 | Final comments and adjourn |



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Disabilities accommodated with prior notification.

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_Sprino_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



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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

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

This Kentucky program is a Kentucky Cooperative Extension service. It is available regardless of race, sex, religion, national or ethnic origin, marital status, age, or physical or mental disability. For more information, contact your local Extension office. Kentucky State University, U.S. Department of Agriculture, and Kentucky partners, University of Kentucky, Lexington, KY 40546.



Ensuring
accessibility
for all participants.



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>

____ Richmond, KY <https://2023.Richmond.KY.Fencing.School.eventbrite.com>

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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: KEGG

2023 Kentucky Fencing Schools



Kentucky Master Grayer
Educational Program

KADF
Kentucky Agricultural Development Foundation

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For more information contact Krista Leo at 270-625-0712 or Christi.Forsythe@uky.edu



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Jessamine County Extension Service
95 Park Drive
Nicholasville, KY 40356

JESSAMINE COUNTY
BEEKEEPER'S CLUB
APRIL MEETING

Speaker:
Julia Mahood,
Master Craftsman Beekeeper

Discusses:
All you never knew there
was to know about
DRONES

95 PARK DR
NICHOLASVILLE, KY
6PM 4/27/23



Managing Land?

Get started with Stewardship: Land, Water, Trees, and Wildlife

April 25 - 6-8:30pm (ET)
Campbell County Extension Office

April 27 - 6-8:30pm (CT)
Warren County Extension Office

May 23 - 6-8:30pm (ET)
Bullitt County Extension Office

\$15 - Registration required;
meal included.

859.257.6094



Register @ shorturl.at/ajrEZ



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