LEWIS COUNTY COOPERATIVE

EXTENSION SERVICE

AGRICULTURE & NATURAL RESOURCES

MAY/JUNE 2025

IMPORTANT DATES

- April 28th: CAIP Opens
- May 5th: CAIP Informational Meeting @ Lewis County Extension Office
- May 8th: Cattlemen's Meeting @ Tollesboro Fairgrounds
- May 9th: Hay Production Field Day
- May 17th: Up the River Program
- May 19th: CAIP Deadline
- May 26th: Memorial Day Office Closed
- May 29th: Living with Alpha Gal via zoom
- June 7th: Small Ruminant Workshop
- June 19th: Juneteenth Office Closed
- June 26th: Elderberry Progam

MONEY FOR FARM IMPROVEMENTS



Eligible Investment Areas:

Agricultural Diversification Ag Tech
Ag. Tech & Leadership Development
Large Animal - Small Animal
Farm Infrastructure
Fencing & On-Farm Water
Forage & Grain Improvement
Innovative Ag. Systems
On-Farm Energy
Poultry & Other Fowl
Value Added & Marketing

Administered by
LEWIS COUNTY
CONSERVATION DISTRICT
38 W KY8 Suite D
Vanceburg, KY 41179
606-796-3831

Lexington, KY 40506

COUNTY AGRICULTURAL INVESTMENT PROGRAM (CAIP)

Applications are available for Lewis County's CAIP to assist farmers in making important farm investments.

Application Period:

April 28th - May 19th

No applications will be accepted before April 28th, 2025 or after May 19th, 2025 4:30 pm

Informational Meeting

May 5th at 6p.m. Lewis County Extension Office

Application Availability:

LEWIS CONSERVATION DISTRICT Monday - FRIDAY (8:00 a.m. - 4:30 p.m.)

For More Information:

Contact ANGIE PATTON at (606) 796-3831 EXT 3 or email angela.patton@ky.nacdnet.net

All applications are scored, based on the scoring criteria set by the Kentucky Agricultural Development Board.

Cooperative Extension Service

Kennedy Cannon

Ag & Natural

Resource Agent

Kennedy.cannon@uky.edu

Lewis County Cooperative

Extension

284 2nd Street

Vanceburg, KY 41179

606-796-2732

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

MARTIN-GATTON COLLEGE OF AGRICULTURE, FOOD AND ENVIRONMENT

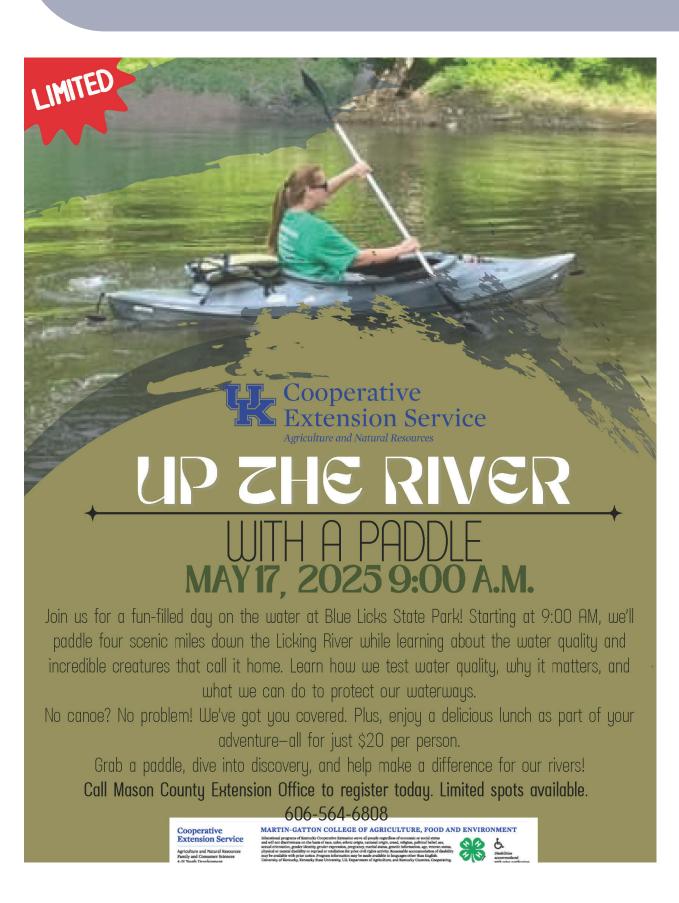
Educational programs of Kentucky Cooperative Extension serve all people regardless of economic or social status and will not discriminate on the basis of race, color, ethnic origin, national origin, creed, religion, political belief, sex, sexual orientation, gender identity, gender expression, pregnancy, 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.







May 8th at 7 p.m. at the Tollesboro Fairgrounds



A Two-Day Program Focused on Post-Weaning Management of Feeder Cattle

Backgrounding _____ **Shortcourse**

Registration limited to 30 attendees!

May 13 & 14, 2025

University of Kentucky C. Oran Little Research Center 4410 Frankfort Rd, Versailles, KY 40383 Program will begin with registration at 7:30 am ET

Program Topics

- Bunk Management
- Health Risk Management
- Vaccination Protocols Cattle Processing
- Confinement Considerations
- Feeds and Feeding
- Develop a Feeding Program Ruminant Digestion
- Health Diagnostic Tools
- Best Management Practices - Feed Mixing & Management
- Cattle Handling Equipment
- Haylage Fermentation
- Disposition & Performance
 - Technology Tools
- Enterprise Budgets

Registration

Cost to attend: \$30/individual (includes lunches/dinner) Pre-registration is required and is limited to the first 30 individuals **Registration Deadline: May 6th**

Online Registration Link https://www.eventbrite.com/e/uky-backgrounding-shortcoursetickets-1321765178229?aff=oddtdtcreator

Or to register, please send email: jeff.lehmkuhler@uky.edu Dr. Jeff Lehmkuher: 859-257-2853

Recommended Hotel Accomodations: Holiday Inn Express & Suites, Versailles, KY 40383







QUALITY HAY PRODUCTION

FIELD DAY





FRIDAY, MAY 9, 2025

LOCATION: 1965 MARTHA MILLS RD, FLEMINGSBURG

9:00AM-3:00PM

• 9:00AM: REGISTRATION, DONUTS, & **VENDORS OPEN**

• 10:00AM-NOON: UK SPECIALISTS COVER VARIETY OF TOPICS ON WEED ID, VISUAL COMPARISONS OF HAY QUALITY AND MORE!

• NOON: LUNCH & VENDORS

• 12:30PM: LOCAL EQUIPMENT **DEALERSHIPS DEMOS**

RAIN LOCATION: FLEMING CO. **EXTENSION OFFICE**







USE THE QR CODE OR CONTACT YOUR LOCAL OFFICE TO REGISTER:

BRACKEN COUNTY: (606) 735-2141 FLEMING COUNTY: (606) 845-4641 LEWIS COUNTY: (606) 796-2732 MASON COUNTY: (606) 564-6808 ROBERTSON COUNTY: (606) 724-5796



PLEASE REGISTER BY: MAY 3RD





Cooperative

Extension Service

Webinar Event

Living with Alpha-gal Syndrome

Learn more about AGS (red meat allergy) and how to reduce your risk with University of Kentucky **Cooperative Extension**





Topics Covered

- ✓ AGS basics
- ✓ Tick bite prevention
- ✓ Diet & lifestyle management
- ✓ Q/A session



Thursday, May 29th 6-7:30pm CDT 7-8:30pm EDT

Register Now! ukfcs.net/AgS

MARTIN-GATTON COLLEGE OF AGRICULTURE, FOOD AND ENVIRONMENT

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Cooperative **Extension Service** Agriculture and Natural Resources

Community and Economic Development

4-H Youth Development



SMALL RUMINANT WORKSHOP



UNE 7TH, 2025



9:30 AM





TOPICS

Cooperative

4-H Youth Development

Extension Service

Community and Economic Development

Family and Consumer Sciences

- Hoof Trimming
- Nutrition/Parasite Control
- Shearing Demo

USE THE QR CODE OR CALL TO REGISTER

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- LEWIS COUNTY: (606) 796-2732
- MASON COUNTY: (606) 564-6808
- ROBERTSON CO.: (606) 724-5796

JUNE 2ND



CAIP ELIGIBLE



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ELDERBERRY PRODUCTION



Follow our new facebook page at Lewis **County Cooperative Extension-Agriculture & Natural Resources**

> Scan QR code to access **Facebook**



CAIP EDUCATION OPPORTUNITIES-LEWIS COUNTY

ONLINE AT ANYTIME: Visit: https://anr.ca.uky.edu/caip-training for instructions Visit: https://campus.extension.org/enrol/index.php?id=1970 to access the online training site ADDITIONAL OPPORTUNITIES: Programs listed in this newsletter may qualify. CONTACT: (606) 796-2732 OR KENNEDY.CANNON@UKY.EDU FOR MORE INFO



Blueberry French Toast Bake

1/4 cup whole wheat flour 1/4 cup all-purpose flour 1½ cups skim milk 1 tablespoon sugar 1/2 teaspoon vanilla 1/4 teaspoon salt

3 eggs 6 egg whites

1 loaf (12 ounces) French

bread, cut into 1 inch cubes 3 ounces fat free cream cheese, cut into 1/2 inch cubes 1 cup fresh blueberries 1/2 cup chopped almonds Honey, if desired

Generously grease a 13x9x2-inch baking dish. Beat flours, milk, sugar, vanilla, salt, eggs and egg whites in a large mixing bowl with a hand mixer until smooth. Stir in bread cubes until they are coated. Pour bread mixture into baking dish. **Top** evenly with cream cheese, blueberries and almonds. Cover and refrigerate for at least 1 hour, but no longer than 24 hours. Heat oven to 400 degrees F. Uncover and bake 20-25 minutes or until golden brown. **Sprinkle** with honey, if desired.

Yield: 8, 1 cup servings

Nutritional Analysis: 420 calories, 6 g fat, 1 g saturated fat, 70 mg cholesterol, 860 mg sodium, 69 g carbohydrate, 4 g fiber, 9 g sugar.



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

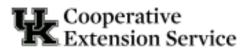


The Lewis County Extension Office will be closed on Monday, May 26, 2025 in observance of Memorial Day. We will reopen on Tuesday, May 27, 2025 at 8:00 a.m. with regular business hours.

This nation will remain the land of the free only so long as it is the home of the brave

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Broadleaf Weeds of Kentucky Pastures



J.D. Green, Plant and Soil Sciences



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

Response of Pasture Weeds to Herbicides and Mowing

Weed Species	Life Cycle ¹	Preferred Time for Herbicide Treatment ²	2,4-D (various products)	dicamba (Clarity, etc.)	dicamba+2,4-D (Weedmaster etc.)	Crossbow	PastureGard	DuraCor	GrazonNext	Chaparral ³	metsulfuron3 (WSM60, Patriot, etc.)	Sharpen	MOWING4
Amaranth, Spiny (Pigweed)	A	May-July	F/G	F/G	G	G	F/G	G	G	G	G	-	X
Aster spp. (White Heath Aster)	A	July-Sept	F/G	G	G	G	-	-	-	-	F	P	R
Burdock, Common	В	Feb-Mar	G	F	G	G	G	G	G	G	F	P	R
Buttercup spp.	Α	Feb-Mar	G	F/G	G	G	F	G	G	G	G	P/F	X
Carrot, Wild (Queen Anne's Lace)	В	May-June	F/G	F/G	F/G	F/G	F	G	G	G	G	P	R
Chickweed,Common	A	Nov or Feb-Mar	P	F/G	G	F	G	G	G	G	G	P/F	X
Chicory	P	Feb-Mar or Aug-Nov	F/G	F/G	G	G	G	G	G	G	F/G	P	R
Clover, White	P	May-Aug	F	G	G	G	G	G	G	G	G	P	X
Cocklebur, Common	Α	May-July	G	G	G	G	G	G	G	G	G	G	R
Dandelion	P	Oct-Nov or Mar-Apr	G	G	G	G	F/G	G	G	G	G	P	X
Deadnettle, Purple	A	Feb-Mar	P	F/G	G	F	G	G	G	G	G	-	X
Dock, Curly or Broadleaf	P	Feb-Apr	P/F	F	F/G	G	F/G	G	G	G	G	P	X
Dogbane, Hemp	P	May-Aug	P/F	F	F	G	G	P/F	P/F	P/F	P	P	S
Garlic, Wild	P	Nov or Mar-Apr	F	F	F	F	Р	F	F	F/G	G	P	Х
Goldenrod spp.	P	June-Aug	F	F/G	F/G	G	F	F	F/G	F/G	P	P	S
Hemlock, Poison	В	Nov or Mar-Apr	F/G	F/G	F/G	F/G	Р	F/G	F/G	-	F	P	R
Henbit	A	Feb-Mar	P	F/G	G	F	F/G	G	G	G	G	-	X
Horsenettle	P	July-Aug	Р	P/F	F	F	P/F	G	G	F/G	F	P	X
Ironweed, Tall	P	June-Aug	Р	F	F	G	G	G	G	G	Р	P	S
Jimsonweed	A	May-July	F	G	G	G	-	G	G	G	-	-	R
Lespedeza, Sericea	P	June-July	P	P/F	P/F	G	G	P/F	P/F	F/G	F/G	P	Х
Marshelder (Sumpweed)	A	May-July	F/G	F/G	G	G	F	G	G	G	F	-	R
Milkweed, Common	P	July-Sept	P	F	P/F	F	P/F	P/F	P/F	P/F	Р	P	S
Mint, Perilla	A	May-July	F	F	F/G	G	F/G	G	G	G	-	-	S
Multiflora Rose	P	Apr-June or Sept	P	P	F	G	G	F	F	F/G	G	P	Х
Passionflower, Maypop	P	May-July	P	P	P	P/F	F	P	P	P	-	P	Х
Plantain, Broadleaf or Buckhorn	P	Oct-Nov or Mar-Apr	F/G	F	F/G	G	F	G	F/G	F/G	F/G	P	X
Pokeweed, Common	P	May-July	F	F/G	F/G	F/G	Р	F/G	F/G	F	Р	P	S
Raqweed, Common	A	May-July	F/G	G	G	G	G	G	G	G	P	G	R
Ragweed, Lanceleaf	A	May-July	F/G	G	G	G	-	G	G	-	P	-	R
Sida, Arrowleaf	A	May-July	P	P	P	-	-	F	F	F	-	-	R
Sneezeweed, Bitter	Α	May-July	F/G	F/G	G	G	G	G	G	G	-	_	R
Sorrel, Red (Sheep Sorrel)	P	Sept-Nov or Mar	P	F	F/G	F/G	F	-	-	F/G	F/G	P	X
Spurge, Nodding	Α	June-July	P	P	P	P/F	-	P/F	P/F	G	G	_	R
Thistle, Bull	В	Oct-Nov or Feb-Mar	G	G	G	G	F/G	G	G	G	F/G	P	R
Thistle, Canada	P	Prebud or Oct-Nov	P	P/F	F	F	P/F	G	G	G	F	р	5
Thistle, Musk	В	Oct-Nov or Feb-Mar	G	G	G	G	F/G	G	G	G	F/G	P	R
Thistle, Plumeless	В	Oct-Nov or Feb-Mar	G	G	G	G	F/G	G	G	G	F/G	P	R
Tickclover (Desmodium spp.)	P	June-Aug	P	-	F	F/G	F/G	F/G	F/G	-	-	P	R
Trumpetcreeper	P	Aug-Sept	P	P	P/F	F	F	P	P	-	P	P	X

Control: G = Good or Excellent; F = Fair (suppression or partial control); P = Poor; - = No Information

Life Cycle: A = Annuals; P = Perennials; B = Biennials

The preferred time for herbicide treatment will depend on environmental conditions and other factors.
 May cause temporary yellowing, stunting and seedhead suppression of tall fescue (consult label). Metsulfuron is an active ingredient in several products (e.g.

Chaparral, MSM60, Patriot, Purestand).

4 Mowing: R = Timely mowing reduces top growth and seed production; S = Suppression of top growth; X = Not very effective

Note: This table should be used only as a guide for comparing the relative effectiveness of herbicides to a particular weed. The herbicide may perform better or worse than indicated in the table depending on the species, weed size, time of application, and/or extreme weather conditions. Consult herbicide label for weed height or growth stage and product amount. Read and follow all label directions and precautions before herbicide application.

Adapted from Weed Management in Grass Pastures, Hayfields, and Other Farmstead Sites (AGR-172; revised 3-2021). Available at http://www2.ca.uky.edu/agcomm/pubs/agr/agr172/agr172.pdf.

Listing of pesticide products implies no endorsement by the University of Kentucky or its representatives. Criticism of products not listed is neither implied nor intended.

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Agriculture and Natural Resources Family and Consumer Sciences

4-H Youth Development

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E.
Disabilities
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Dr. Les Anderson, Beef Extension Professor, University of Kentucky

Timely Tips

Spring Calving Cow Herd

- Continue supplying a high magnesium mineral until daytime temperatures are consistently above 60 degrees F.
- Improve or maintain body condition (BCS 5) of cows before breeding season starts. If necessary, increase energy intake even on pasture.
- Bulls should have a breeding soundness evaluation (BSE) well before the breeding season (at least 30 days). Contact your local veterinarian to schedule a BSE for your herd sires. They should also receive their annual booster vaccinations and be dewormed. I often get questions regarding deworming and reduced fertility in bulls. Dr. Phil Prater at MSU and I examined this and found no effect of deworming on bull fertility.
- Schedule spring "turn-out "working in late-April or early-May, i.e. at the end of calving season and before the start of breeding season. Consult with your veterinarian about vaccines and health products for your herd.

"Turn-out" working for the cow herd may include:

- - Prebreeding vaccinations
- - Deworming
- - Replacing lost identification tags
- Sort cows into breeding groups, if using more than one bull
- - Insecticide eartags (best to wait until fly population builds up)
- "Turn-out" working of calves may include:
- - Vaccinate for IBR-PI3, Clostridial diseases and Pinkeye
- - Dehorn, if needed (can be done with electric dehorner and fly repellent during fly season)
- - Castrate and implant male feeder calves (if not done at birth)
- - Deworm
- - Insecticide eartags
- Consider breeding yearling replacement heifers one heat cycle (about 21 days) earlier than cows for "head-start" calving. Mate to known calving-ease bulls.
- Record identification of all cows and bulls in each breeding group.
- Begin breeding cows no later than mid-May, especially if they are on high endophyte fescue. Cows should be in good condition so that conception occurs prior to periods of extreme heat.
- Consider synchronizing estrus in all cows. Exposing late-calving cows and first-calf heifers to a progestin (MGA feed or CIDR device) for 7 days before bull turn out increases pregnancy rates and shortens the next calving season.
- Choose the best pastures for grazing during the breeding season. Select those with the best stand of clover and the lowest level of the fescue endophyte, if known. Keep these pastures vegetative by grazing or clipping. High quality pastures are important for a successful breeding season.
- If using artificial insemination:
- Use an experienced inseminator.
 - Make positive identification of cows and semen used. This will permit accurate records on date bred, return to heat, calving date, and sire.
 - Good handling facilities and gentle working of the cows are essential.
 - Choose AI sires that will meet your goals and resist the temptation to get your cows bigger. Using sires with higher accuracy EPDs will reduce risk.
- Observe breeding pastures often to see if bulls are working. Records cows' heat dates and then check 18-21 days later, for return to heat.



Fall Calving Cow Herd

- Contact your veterinarian and pregnancy diagnose the cow herd. If a large animal veterinarian is not available in your area, consider taking blood samples for pregnancy diagnosis. Remove open cows at weaning time.
- Plan marketing program for calves. Consider various options, such as maintaining ownership and backgrounding in a grazing program, or precondition and sell in a CPH-45 feeder calf sale.
- Initiate fly control for the cows when fly populations build up.
- Calves may be weaned anytime now but you can take advantage of the spring grass by leaving them on the cow a while or weaning and grazing.

Stockers

- Keep calves on good pasture and rotate pastures rapidly during periods of lush growth. Manage to keep pastures vegetative for best performance.
- Provide mineral mix with an ionophore.
- Implant as needed.
- Control internal and external parasites.

General

- Harvest hay. Work around the weather and cut early before plants become too mature. Harvesting forage early is the key to nutritional quality. Replenish your hay supply!
- Rotate pastures as needed to keep them vegetative.
- Clip pastures to prevent seedhead formation on fescue and to control weeds.
- Seed warm season grasses this month.

Apple Pie Smoothie

Ingredients:

- 2 cored and sliced apples (or 1 cup unsweetened applesauce)
- 1 medium banana (fresh or frozen)
- 1/4 cup rolled oats
- 1 1/2 cups skim milk
- 1 teaspoon ground cinnamon
- 3-4 ice cubes
- 1 teaspoon honey (optional)

Directions:

- Put everything in the blender and until smooth.
- 2. Enjoy!

Source: University of Kentucky Cooperative Extension Service: Nutrition Education Program: Eat Smart to Play Hard.

Nutrition Facts Per Serving: 250 calories; 1.5g total fat; 0g saturated fat; 0g trans fat; 5mg cholesterol; 80mg sodium; 56g carbohydrate; 8g fiber; 36g total sugars; 0g added sugar; 9g protein; 10% daily value of Vitamin D; 20% Daily Value of calcium; 6% Daily Value of iron; 15% Daily Value of potassium.

