

NEWSLETTER

MARCH 2024

LaRue County
P.O. Box 210, 807 Old Elizabethtown Rd.
Hodgenville, KY 42748-0210
(270) 358-3401
larue.ca.uky.edu



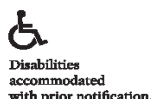
AGENT REMARKS

Wrapping up February weather was unseasonably warm which has everyone thinking about an early spring. With temps in the upper 60's and some days reaching the 70's spring season feels imminent. With the favorable forecast it is time to think about spraying early season weeds in pasture and hayfields. Weeds of concern should be buttercup, henbit, curly dock, purple deadnettle, chicory, and poison hemlock. Also take advantage of the conditions and give those wheat crops a boost with a nitrogen application. As we move throughout the month and soil conditions improve (less mud), consider getting those fertilizer applications on fields as well, soil testing services are available through the extension office. For farm visits or recommendations reach out to the Extension Service at (270) 358-3401.

Adam Thomas
LaRue County Extension Agent
for Agriculture & Natural
Resources Education

CALENDAR OF EVENTS

- **March 1st-2nd** – KY Farm Bureau Beef Expo- KY Exposition Center, Louisville
- **March 4th**- Beef Quality Care & Assurance Training- LaRue County Extension Office
- **March 12th**- LaRue County Cattleman's Meeting- 7pm
- **March 16th**- Extension Expo- LaRue County High School
- **March 18th** IPM Training School- Warren Co. Extension Office- Bowling Green
- **April 4th**- KATS Planter Clinic- University of Kentucky Research and Education Center- Princeton



LC CATTLEMEN'S MEETING

The LaRue County Cattlemen's will meet on **Tuesday, March 12th** at 7pm at the LaRue County Extension Service. Dr. Gordon Jones will be there to discuss "Genomic Testing - An Investment in Herd Profitability". This meeting is eligible for CAIP education credit.

A meal will be provided and they do ask that you bring a dessert to share.



3/12/24
7pm

LaRue County Extension Service
807 Old Elizabethtown Rd, Hodgenville

LA RUE COUNTY
CATTLEMEN'S
ASSOCIATION

CAIP
EDUCATIONAL CREDIT OPPORTUNITY

Genomic Testing - An Investment in Herd Profitability
Dr. Gordon Jones, Red Hill Farms

COW - CALF PROFITABILITY CONFERENCES

Kenny Burdine, Jonathan Shepherd, and Greg Halich are hosting 4 in-person Cow-Calf Profitability Conferences this spring across several counties. These conferences were first hosted in 2020 with huge success and we're looking forward to furthering our connection with our state's beef producers. A huge thank you goes out to all of the extension agents making these conferences happen and our project partners, the **Kentucky Beef Network** and **Kentucky Ag Development Fund**.

Interested in attending? Please contact the hosting extension office listed above for additional details and to RSVP.



Cow-Calf Profitability Conferences

Topics to include: key profit drivers, managing hay production costs, breeding stock depreciation, reducing fertilizer use, keys to cow herd management, tax management strategies, bale grazing & stocking rates

- March 1
Wayne County Extension Office
- March 11
Warren County Extension Office
- March 12
Hardin County Extension Office
- March 14
Madison County Extension Office

Conferences are funded by the Kentucky Agricultural Development Board through the Kentucky Beef Network and delivered by UK Agricultural Economics.

UK Martin-Gatton College of Agriculture, Food and Environment University of Kentucky.

KBN KENTUCKY BEEF NETWORK

KADF KENTUCKY AGRICULTURAL DEVELOPMENT FUND

FORAGE TIMELY TIPS: MARCH

- Continue pasture renovation by no-tilling seeding legumes.
- Place small seed at 1/4 to 1/2 inch deep and check depth several times during planting; slow down for more precise seeding.
- Continue feeding hay until adequate forage exists in the pasture for grazing.
- Spring seeding of grasses should be done in early to mid-March (but fall is preferred).
- Begin smoothing and re-seeding hay feeding and heavy traffic areas.
- Graze pastures overseeded with clover to reduce competition from existing grasses. Pull livestock off before grazing new clover plants.
- Provide free choice high-magnesium mineral to prevent grass tetany on lush spring growth.

SOIL TESTING

Soil testing is a soil-management tool we use to determine the fertility of soil as well as the optimum lime and fertilizer requirements for crops. Fall is the best time of year to test your soil, but spring is also acceptable. Most nutrients take some time to break down and become available to the plant. If you give them all winter to break down, by the time you are ready to plant in the spring, the plants can better take up the nutrients.

When taking a soil sample, remember plants have shallow roots that lie within the top 6 to 12 inches of soil. Use a soil test probe to pull a core at a depth of about 6 to 8 inches and collect approximately two cups of soil per sample. When you bring the sample to the county extension office, we will put it into a soil test bag and gather additional information about the field being tested. A soil test will save you time, money, and it is good for the environment.

Remember, the LaRue County Extension Service offers this service **free** of charge to the residents of LaRue County.

EQUIPMENT RENTAL

It's the time of year to think about pasture and hay field improvements. The LaRue County Conservation District has cost share equipment to rent producers who otherwise don't own the necessary equipment.

That includes no-till drills, boomless pasture sprayer, lime spreader, and hay wrappers. Contact the LaRue Conservation District at (270) 358-3132 for costs and availability.

FARMER'S MARKET

Spring is approaching fast and now is the time to think about the Farmers Market. If you are interested in participating in the LaRue County Farmers Market there is a **mandatory informational meeting on March 21st at 6:00 pm EST** at the Extension Office.



GREEN RIVER BEEKEEPERS ASSOCIATION

The Green River Beekeepers Association serves the counties of Adair, Casey, Green, LaRue, Marion, and Taylor. Meetings are held at 7:00 pm EST on the 3rd Thursday of every month, except December. If you are interested in becoming a member or attending a meeting contact the office at (270) 358-3401 and we will share additional information.



WHAT IS GRASS TETANY?

Source: Michelle Arnold, Extension Ruminant Veterinarian

Spring in the Bluegrass is a great time of greening and warming, but it's also a time when livestock producers need to watch out for grass tetany, also called spring tetany or grass staggers. Some people also refer to it as wheat pasture poisoning, winter tetany or lactation tetany. Regardless, it's a condition caused by an abnormally low level of magnesium in the blood.

Maintenance of normal blood magnesium is completely dependent on absorption of magnesium from the diet. Deficiencies occur most often in beef and dairy cows in early lactation that graze lush pastures high in potassium and nitrogen and low in magnesium and sodium. Affected cattle often have low blood calcium concurrently. Typically grass tetany occurs when grazing ryegrass, small grains (i.e. wheat, rye) and cool season perennial grasses in late winter and early spring (February through April), although it can occur in fall-calving cows. Fast-growing spring grass is usually high in potassium and crude protein, and low in sodium and magnesium.

The earliest signs are twitching of the facial muscles, shoulder and flank. As the blood magnesium level drops, muscles stay contracted, so legs are stiff and rigid and eventually cause the cow to stagger and fall. Rapid convulsions or seizures quickly follow, with chomping of the jaws and frothy salivation.

Affected animals lie with the head arched back and the legs paddling. The heart rate may reach 150 beats per minute (normal is 60 to 80) and can often be heard without the use of a stethoscope. Respiratory rates of 60 breaths per minute and a rectal temperature as high as 105 degrees F may result from the excessive muscle activity. Animals may stand up and repeat these convulsive episodes several times before they finally die. A moderate form of grass tetany can occur with milder signs of reduced feed intake, nervousness and reduced milk production.

A veterinarian makes a diagnosis based on history, clinical signs and low magnesium levels in the blood or spinal fluid.

Animals with grass tetany need immediate veterinary treatment. Response to treatment depends largely on the length of time between onset of symptoms and when treatment begins.

Producers who want to prevent grass tetany should start supplementing feed with a high magnesium mineral at least 30 days prior to calving. Cows require 20 grams of magnesium daily or 4 ounces per day of a 15-percent magnesium mineral mix during the late winter and early spring. Don't let your mineral feeders get empty because consistent intake is important for prevention. UK Beef IRM mineral recommendations for free-choice supplements for grazing beef cattle include 14 percent magnesium in the complete mineral mix -- all from magnesium oxide (no dolomitic limestone or magnesium mica). At least a third of your magnesium oxide should be in the prilled form to increase palatability.

In addition to supplying supplemental magnesium, you can do several things to decrease the risk of grass tetany. These include:

- Soil test and apply fertilizer based on soil test results and use no more potassium than recommended, since grasses are luxury consumers of potassium.
- Feed legumes that are high in magnesium to help offset the problem, although their growth is often limited in late winter.
- Feed small amounts of hay and/or grain to cattle on lush pasture during susceptible periods or limit grazing to 2-3 hours per day.
- Graze the less susceptible or non-lactating animals (heifers, dry cows, stocker cattle) on the higher risk pastures.



April 4, 2024
8 am-2 pm



PLANTER CLINIC

Hands-on training covering basic to advanced planter function to maximize planter performance.

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

- *Identification of improper planter settings and the resulting consequences on plant performance.*
- *Discussion of planter components and proper maintenance.*



Pre-registration is required at

<https://KATSPlanterclinic2024.eventbrite.com>

\$105

Lunch is included

Credits pending



For more information contact Lori Rogers
270-365-7541 ext 21317 lori.rogers@uky.edu



The Martin-Gatton College of Agriculture, Food and Environment is an Equal Opportunity Organization with respect to education and employment and authorization to provide research, education information and other services only to individuals and institutions that function without regard to 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.

Inquiries regarding compliance with Title VI and Title VII of the Civil Rights Act of 1964, Title IX of the Educational Amendments, Section 504 of the Rehabilitation Act and other related matter should be directed to

Equal Opportunity Office, Martin-Gatton College of Agriculture, Food and Environment, University of Kentucky, Room S-105, Agriculture Science Building, North Lexington, Kentucky 40546, the UK Office of Institutional Equity and Equal Opportunity, 13 Main Building, University of Kentucky, Lexington, KY 40506-0032 or US Department of Agriculture, Office of the Assistant Secretary for Civil Rights, 1400 Independence Avenue, SW, Washington, D.C. 20250-9410.

2024 EXTENSION EXPO

EXTENSION

EX



Cooperative Extension Service

2024

PO

March 16th
10am - 2pm

Where local businesses & organizations gather to share, educate, promote & celebrate the services offered in our community!

LARUE COUNTY HIGH SCHOOL GYMNASIUM
911 S. Lincoln Blvd., Hodgenville

SCREENINGS
DEMONSTRATIONS
GIVE AWAYS

CONCESSIONS



LARUE COUNTY
CATTLEMEN'S

SERVICE & COMMERCIAL BOOTHS

- ABE 93.7
- AERO AG, LLC
- BIVENS FOR STATE REP
- BLUEGRASS PROFESSIONAL COUNSELING
- BONEHEAD WHITETAILS
- CASA OF THE HEARTLAND
- CENTRAL KENTUCKY HEAD START
- CITY OF HODGENVILLE
- DEER PIMP SCENTS AND LURES
- EXIT REALTY GREEN & ASSOCIATES
- FIRST BAPTIST CHURCH
- GIRL SCOUTS OF KENTUCKIANA
- GRANDVIEW FARM
- HARDIN ELIZABETHTOWN COMPOSITE MTB TEAM
- HODGENVILLE FIRE DEPARTMENT
- HODGENVILLE LIONS CLUB
- HODGENVILLE POLICE DEPARTMENT
- HODGENVILLE UNITED METHODIST CHURCH
- HOPE ACADEMY FOR KIDS LARUE
- KYNECTOR
- LARUE COUNTY 4-H COUNTRY HAM PROJECT
- LARUE COUNTY 4-H DOG CLUB
- LARUE COUNTY 4-H HORSE CLUB
- LARUE COUNTY 4-H LIVESTOCK CLUB
- LARUE COUNTY 4-H YOUTH SPOTLIGHT

- LARUE COUNTY CHAMBER OF COMMERCE
- LARUE COUNTY CONSERVATION DISTRICT
- LARUE COUNTY COOPERATIVE EXTENSION SERVICE
- LARUE COUNTY DETENTION CENTER
- LARUE COUNTY EXTENSION HOMEMAKERS
- LARUE COUNTY FARMERS MARKET
- LARUE COUNTY FIRE DEPARTMENT - LC JR. FIREFIGHTERS
- LARUE COUNTY FISCAL COURT
- LARUE COUNTY HERALD NEWS
- LARUE COUNTY PUBLIC LIBRARY
- LARUE COUNTY SADDLE CLUB
- LARUE COUNTY SHERIFF
- LINCOLN NATIONAL BANK
- LINCOLN NATIONAL BANK - YOUTH ENTREPRENEURS
- LTA AGENCY ON AGING & INDEPENDENT LIVING
- MAGNOLIA BANK
- MAGNOLIA CUMBERLAND PRESBYTERIAN CHURCH
- SALLEE'S FAMILY TAEKWONDO
- SIGNATURE HEALTHCARE SUNRISE MANOR
- SILVERLEAF SEXUAL TRAUMA RECOVERY
- STOCKROOM OF KY
- TARGET4 UK HEALTHCARE
- TERESA R. MCMAHAN-MILLER, DISTRICT COURT JUDGE
- TRENT FIENE - NEW YORK LIFE
- YETI BOBS



this year **SHINE**
A Community Youth Spotlight
A celebration of leadership, creativity & talent.

TREES FREE
LC Conservation District
Eastern Redbud - Pecan
Pin Oak - Poplar - White Pine

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



University of Kentucky
Martin-Gatton College of Agriculture Food and Environment

2024 IPM Training School
March 18th, 2024

Program

8: 00 AM Registration

Field Crops

8:25 AM	Herbicide Resistance Screening in the Commonwealth of Kentucky	<i>Dr. Samuel Revolinski</i>
8:50 AM	Herbicide Resistant Weed Control	<i>Dr. Travis Legleiter</i>
9:15 AM	Cover Crops	<i>Dr. Lloyd Murdock</i>
9:40 AM	Keeping Cover Crops from Becoming a Pest Problem	<i>Dr. Chad Lee</i>
10:05 AM	Break	
10:20 AM	Management of Important Soilborne Diseases of Soybean	<i>Dr. Carl Bradley</i>
10:45 AM	Efficacy of Insecticides in Bt-and non-Bt field Corn and Problems Capturing Pest Moths	<i>Drs. Ric Bessin Raul T. Villanueva</i>
11:10 AM	The Agronomics and Economics of Various Nutrient Sources for Crop Production	<i>Dr. Edwin Ritchey</i>
11:35 AM	Application of Low-Cost GPS Technologies to Improve Input Use	<i>Dr. Chris Teutsch</i>

Horticulture

1:00 PM	Understanding the Mildews – Downy versus Powdery	<i>Dr. Nicole Gauthier</i>
1:25 PM	Greenhouse Disease Management	<i>Ms. Arundathi Sharma</i>
1:50 PM	Cover Cropping in Vegetable Production Systems: Benefits, Challenges, and Considerations	<i>Dr. Rachel Rudolph</i>
2:15 PM	Break	
2:30 PM	Everything Old is New Again	<i>Dr. Shawn Wright</i>
2:55 PM	Impact of Invasive Species on IPM	<i>Dr. Jonathan Larson</i>
3:20 PM	Current and Future Wildlife Management Conflicts for the Mid-South	<i>Dr. Matt Springer</i>



	Pesticide Applicators CEUs	Certified Crop Adviser CEUs
Field Crops	Category 1A: 4	Soil & Water Management: 1 IPM: 2 Crop Management: 1
Horticulture	Category 1A: 3	IPM: 2 Crop Management: 1

Location

Warren County Extension Office
5162 Russellville Rd.
Bowling Green, KY 42101

Contacts

Zenaida Vioria
zenaida.vioria@uky.edu (270)
365-7541 Ext. 21336

Ric Bessin
r.bessin@uky.edu
(859) 323-1120

Italian Ryegrass Control Field Tour

Thursday, March 28, 2024
8:30 a.m. to 11:30 a.m.

Please meet at the Caldwell County Extension Office
1025 U.S. Highway 62 West, Princeton, KY
Sign-in begins at 8:30 a.m. CDT

A caravan will proceed to the UKREC in Princeton for plot tours
of Italian ryegrass research

**Please pre-register by scanning
QR Code or clicking link:**
[https://uky.az1.qualtrics.com/jfe/form/
SV_3w9zPIbfbHT33JI](https://uky.az1.qualtrics.com/jfe/form/SV_3w9zPIbfbHT33JI)



Credits — CCA: 3 CEUs for IPM; KY PAT: 1 CEU for Category 10, 2 CEUs for Category 1A



Italian ryegrass (aka Annual Ryegrass) is rapidly becoming one of the most problematic weeds in no-till corn and soybean production in Kentucky.

Presented by **Dr. Travis Legleiter, UK Extension Associate Professor - Weed Science**, this field tour will highlight the options available to Kentucky farmers for maximum control of this problematic weed in the fall and spring prior to corn and soybean planting.

For more information about the field tour call (859) 562-2569.

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.

save the date

coming this summer

LaRue County
**FARMERS
MARKET**



2024



Cooperative
Extension Service

OPENING DAY - 6/13/24

9am - 1pm

LaRue County High School Back Parking Lot
925 S. Lincoln Blvd., Hodgenville
LaRue.ext@uky.edu - (270) 358-3401



OUR FAIR IS
A CELEBRATION OF
COMMUNITY - YOUTH
TALENT - DEDICATION
AGRICULTURE
SWEAT & TRADITION

A SHOWCASE OF
LIVESTOCK - QUILTING
CANNING - NEEDLEWORK
PHOTOGRAPHY - ART
GARDENING - BAKING
CREATIVITY and MORE



AUGUST 1-3
LC FAIRGROUNDS
375 S. GREENSBURG ST.
HODGENVILLE



Cooperative
Extension Service



Presented by:

LC 4-H COUNCIL FAIR COMMITTEE
270-358-3401 - LARUE.EXT@UKY.EDU
An Equal Opportunity Organization

LaRue County

PO Box 210, 807 Old Elizabethtown Road

Hodgenville, KY 42748-0210

RETURN SERVICE REQUESTED



HAY YOU! The Kentucky Horse Council Needs Your Help!

Calling all hay suppliers in Kentucky - we need to hear from you! The Kentucky Horse Council is working to provide members with a comprehensive list of hay suppliers in Kentucky. If you would like to be included in our list, all we need is your contact information, location and the type of hay you grow -- we'll take care of the rest!

Questions?Email

sarah@kentuckyhorse.org