

AG HAPPENINGS

Agriculture & Natural Resources Extension Newsletter

Logan County Youth HOG SHOW & SALE

Join us for a great day celebrating these hard working kids

Tuesday **SEPT. 2**

2:30 pm Show
6:00 pm Dinner
6:30 pm Sale

Pork is available

Call the Extension Office for more information 270-726-6323



Sponsors & Meat Buyers Needed!

Logan County Extension Ag Arena

Logan County Extension

255 John Paul Ave
Russellville, KY 42276
270-726-6323

Leann Martin

Leann Martin

Agriculture & Natural
Resources Extension Agent
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FREE

Soil Samples

Beginning in July 2025, Routine Tests for Soil Samples will be **FREE** for all Logan County clients

Deliver samples to the Extension Office by noon on Tuesday to make the weekly shipment to the Lab.

Additional Testing also available, prices vary

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.



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

LOGAN COUNTY YOUTH

HOG SHOW & SALE

Sponsorships Available

Help support the hard work & dedication these youth exhibitors have committed to their steer projects. There are different opportunities to financially support these great kids:

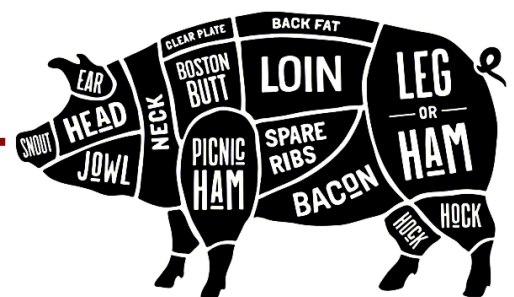
1. Monetary Donation - You may choose to donate any amount to the general show fund. The collected funds will be gathered together to form "Group Buyers" that will then buy a hog together. All monetary sponsors will be announced throughout the sale.
2. "Buy & Keep It" - Buy the hog and harvest the meat to keep for yourself or your company.
3. "Sponsor a Hog" - Buy the hog at the Live Auction and not keep it for meat. You will only pay the difference between the Live Auction Bid Price and the Floor Price per pound.
4. "Meat Buyer" - Purchase the meat from a "Sponsored Hog" whose Sponsor does not want to keep their meat. You will only pay for the meat. You may add your name to a list of meat buyers at any point prior to the Sale. The carcasses will be assigned on a first come, first serve basis

Meat Buyers Needed!

½ & Whole Carcasses Available

All hogs exhibited in the the Hog Show & Sale are entered into the Carcass Contest and all pork from those hogs are available for purchase.

Meat buyers do not have to be present or purchase the hogs at the auction. Any hog that is sponsored only at the auction, is available and will be assigned to a meat buyer on a first come, first serve basis.





Special Announcement

The Logan Co. Cattlemen's Association is offering

\$50 Off

the first 5 members to sign up for the Master Cattlemen Program!

All sessions will be on Monday Evenings

Meal Provided

Lots of great information for beginner cattle producers & seasoned

Sessions will be held at either Logan, Warren, Allen, or Simpson County.

2025 MAMMOTH CAVE MASTER CATTLEMEN

ALLEN
BUTLER
EDMONSON
LOGAN
SIMPSON
WARREN

ATTENTION

- Monday Night Session
Location **TBD**
- **\$100 per person**
- Meal Provided at **Each Session**
- Checks Payable to **Warren Co. Soil Test**

10/13 **Nutrition**
Katie VanValin

10/20 **Herd Health**
Michelle Arnold

10/27 **Reproduction & Record Keeping**
Les Anderson

11/3 **Genetics**
Darrh Bullock

11/10 **Marketing & Profitability**
Kevin Laurent

11/17 **Facilities & Winter Feeding**
Katie VanValin



REGISTER NOW
Logan Co. 270-726-6323



SEPTEMBER 20, 2025

9:00 AM - 3:30 PM

C. ORAN LITTLE RESEARCH FARM



Scan to Register



MAMMOTH CAVE HAY CONTEST

CONTEST DETAILS

Counties Participating

The Mammoth Cave hay contest is offered to individuals raising hay in Allen, Barren, Butler, Edmonson, Hart, Logan, Metcalfe, Monroe, Simpson, and Warren.

Hay Results

Each producer is limited to one entry per class. An entry consists of a one gallon bag hay sample.* Judging criteria is based on Forage quality value (FQV)

Classes

Hay will be judged on the following classes: Grass hay, Legume hay, and Mixed hay.

Deadline

The deadline to turn in your hay sample to your local extension office is October 30.

Hay Testing is
FREE

CONTACT YOUR LOCAL
EXTENSION OFFICE FOR
MORE DETAILS

*A good hay sample consists of 20 core samples from 20 different bales



Hay Testing Even More Important in 2025

By: Dr. Chris Teutsch, UK Research & Education Center at Princeton

In many parts of Kentucky first cutting hay was delayed. Although yields were good, forage quality is another story. As the grass plant reaches maturity (gets mature seed) yield goes up, but quality decreases (Figure 1). This year we were on the right side of this figure, good yield but lower quality. We have already got our hay testing results back from the lab for our first cutting and that is exactly what they show (Table 1).

I wish we could have been more timely in our hay harvest this spring but weather conditions were just not conducive to dry hay harvest. In fact, weather records indicate that we are seeing a trend toward fewer baling days in May (baling day = 3 curing days + 1 harvest day). It is just getting tougher to be timely with our first cutting harvested as dry hay. So, the question becomes what do we do? The list of practical solutions is short; in fact, there is really one viable alternative and that is baleage. High quality baleage can be made with a curing window as short as 2 days (one day to mow and wilt and a second day to bale and wrap). This provides more opportunities to harvest at the correct stage of maturity (late boot to early head).

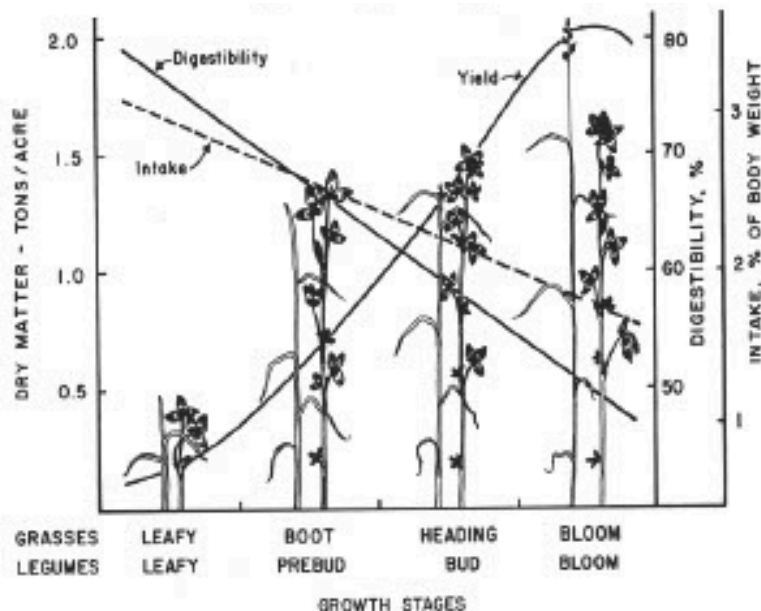


Figure 1. As plant maturity increases, yield increases and forage quality (digestibility and crude protein) decreases. The single most important factor impacting forage quality is stage of maturity at harvest.

| Field | CP† | ADF | NDF | TDN | Meet CP Requirements | | Meet TDN Requirements | |
|-------|------|------|------|------|----------------------|-----------|-----------------------|-----------|
| | % | % | % | % | Dry | Lactating | Dry | Lactating |
| 1 | 8.9 | 40.1 | 59.1 | 55.5 | yes | no | yes | no |
| 2 | 9.9 | 39.4 | 60.0 | 56.2 | yes | no | yes | no |
| 3 | 8.2 | 41.6 | 67.2 | 53.8 | yes | no | yes | no |
| 4 | 10.6 | 41.0 | 64.5 | 54.5 | yes | yes | yes | no |
| 5 | 8.3 | 40.7 | 65.6 | 54.8 | yes | no | yes | no |
| Avg | 9.2 | 40.6 | 63.3 | 55.0 | yes | no | yes | no |

Table 1. Forage quality of 2025 first harvest hay at UK Research & Education Center in Princeton. †CP, crude protein, ADF, acid detergent fiber, NDF, neutral detergent fiber, TDN, total digestible nutrients.

Hay Testing Even More Important in Wet Years

In years like this one, hay testing becomes even more important. Since most of Kentucky's first cutting hay was put up at an advanced stage of maturity, testing is going to be a critical part of making sure that we meet the nutrient requirements of our cows this winter. The single most important factor impacting rebreeding in cow herds is body condition at calving. To design an effective supplementation program for our lower quality hay we must know what the quality is. If you have never tested your hay, this is the year to start!

Testing is FREE!

Better Product, Bigger Profit!

GET RAPID AND PRECISE FORAGE AND HAY ANALYSIS WITH USE OF THE LATEST NIR TECHNOLOGY

Hay Testing Available



Bring samples into the Logan Co. Extension Office or deliver them directly to the Barren County KSU Office



Email Tyler London or Jacob Hall:
Tyler.London@kysu.edu
Jacob.Hall@kysu.edu

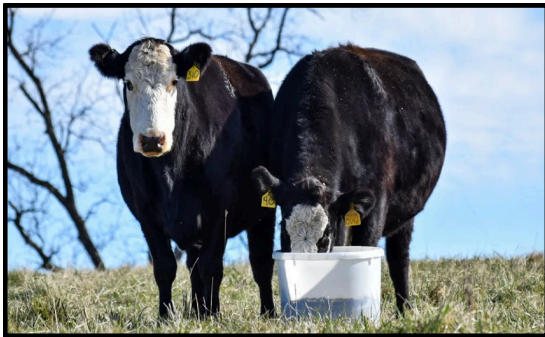
BENEFITS

- ✓ Rapid analysis
- ✓ Identify areas for improvement
- ✓ Optimize harvest timing, fertilization, and storage methods
- ✓ Targeted feeding of livestock
- ✓ Market hay based on feed value for greater profit margins

Cattle Timely Tips

Spring Calving Cow Herd

- Consider removing bulls from the cow herd by the end of the month and keep them away from the cows. A short calving season can concentrate labor during the calving season; group calves by age so that it is easier to find a convenient time to vaccinate, castrate, dehorn, etc.; and provide a more uniform group of calves at market time.
- Spraying or using a pour-on for flies while cattle are gathered can supplement other fly control methods. Remember to work cattle early in the morning when it is cool and handle them gently to minimize stress
- Watch for pinkeye & treat if necessary. Minimize problems by clipping pastures, controlling flies & providing shade.
- Fescue pastures tend to go dormant in July and August, so look for alternatives like warm season grasses during this period of time. Try to keep the young calves gaining weight.
- Heat stress can lead to low conception rates, low libido in bulls, and embryonic loss (abortion) between days 6 and 45 of pregnancy. Keep a close eye on your herd. Plan to diagnose your herd for pregnancy early this fall to identify open cows for future planning.



Fall Calving Cow Herd

- De-worm calves in mid-July with a product that is effective against inhibited ostertagia.
- Fall-calving cows should be dry and pregnant now. Their nutrient needs are minimal, and they can be maintained on poor pasture to avoid over fattening. Keep a good free-choice mineral mix available at all times. You can use a lower phosphorus mineral supplement now, if you want to save a little money.
- Get ready for fall calving and plan to have good pasture available at calving and through the breeding season.

Stockers

- Sell heavier grazing cattle before rate of gain decreases or they get into a heavyweight category. This will also relieve grazing pressure as pasture growth diminishes. They can be replaced with lightweight calves after pastures recover.
- Lighter cattle which are kept on pasture need to be rotated to grass-legume or warm-season grass pastures to maintain a desirable level of performance. Deworm with a product that is effective against inhibited ostertagia.

General

- Check pastures for downed wild cherry trees after storms (wilted wild cherry leaves are toxic to cattle).
- Be sure that clean water is always available, especially in hot weather. Make routine checks of the water supply. Cattle need 13 to 20 gallons of clean water in hot weather. Cattle should have access to shade.
- Maintain a weed control program in permanent pastures and continue to "spot-spray" thistle, honey locust, etc.
- Start soil testing pastures to determine fertilization needs for this fall.
- Be aware of the heat when your cattle handling. Work cattle early in the morning to avoid excessive heat stress.
- Avoid grazing pastures containing endophyte-infected fescue if possible. The alkaloids (chemicals) produced by the fungus exacerbates heat stress in livestock and can lead to numerous negative outcomes including decreased growth rate and decreased conception rate.

Forage Management Tips

- Test first cutting hay & use the results to develop a supplementation strategy for this winter
- Graze summer annuals pastures & fertilize with 40-60 lb N/A if regrowth is desired
- Do Not mow hayfields or graze pastures closer than 4-5 inches
- Soil test pastures
- Use UKY variety testing results to select varieties that will be planted in the fall
- Identify pastures to stockpile for winter grazing. Pastures should be well drained & have a strong sod. Limit summer grazing so that they are ready to grow

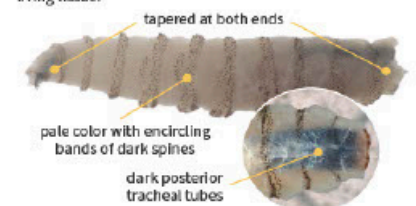
USDA Animal and Plant Health Inspection Service
U.S. DEPARTMENT OF AGRICULTURE

New World Screwworm

New World screwworm is a devastating pest that can affect livestock, pets, wildlife, occasionally birds, and in rare cases, people. Adult screwworm flies are about the size of a common housefly (or slightly larger).



Screwworm larvae (maggots) burrow into a wound, feeding as they go like a screw driving into wood. The maggots cause extensive damage by tearing at the hosts' tissue with sharp mouth hooks. The wound becomes deeper and larger as more maggots hatch and feed on living tissue.



Scan the QR code to learn more about this pest. Immediately report signs to your State Animal Health Official (www.usaha.org/sahof/) or USDA Area Veterinarian in Charge (www.aphis.usda.gov/contact/animal-health/)

LOGAN COUNTY CATTLEMEN'S ASSOCIATION

at the Logan County Extension Office

SATURDAY, SEPT. 20

6:30 PM



Sponsored by: **ABS**

More Cattle News

For more up-to-date information from the UK Beef Specialist on current topics, health news, and timely tips, check out the **"Off the Hoof" Newsletter**. You can look at past newsletters or subscribe to receive the newsletter directly each month. Scan the QR code with the camera on your phone to go directly to the newsletter website.



Off the Hoof
Newsletter



Beef Center
for Excellence
Website

Other Great Newsletters to Check Out

The University of Kentucky has a variety of different newsletters from several departments on a vast number of topics. - Check them out!



**KY Forage
News**



**KY Pest
News**



**KY Field
Crops
News**



**KY Dairy
Notes**



**KY Sheep
& Goat**



**Cheep &
Chirp**



**69TH ANNUAL
LOGAN COUNTY
RUSSELLVILLE SQUARE
SHOW 10 AM**

TOBACCO SHOW

Friday, October 10

OPEN CLASSES

BURLEY, ONE SUCKER, DARK FIRE

PREMIUMS:

| | |
|------------|------------|
| 1ST - \$40 | 4TH - \$25 |
| 2ND - \$35 | 5TH - \$20 |
| 3RD - \$30 | 6TH - \$15 |

YOUTH CLASSES

BURLEY & ONE SUCKER

PREMIUMS:

| |
|------------|
| 1ST - \$55 |
| 2ND - \$45 |
| 3RD - \$35 |



**TOBACCO WILL BE
RECEIVED FROM
7:30 - 9:00 AM**

Sponsored By:
Farm Credit Mid America,
Logan Co Farm Bureau,
Southern States Russellville Coop,
Nutrien Ag Solutions

- Each exhibit consists of 5-6 stalks per stick
- Entries must be produced by the exhibitor
- All tobacco needs to be removed after judging

Call the Logan County Extension Office for
more details 270-726-6323

CAIP & YAIP

If you or your child were approved for CAIP or YAIP, the deadline to submit your reports and receipts is

**Friday,
October 17 by
4:30pm**

Due to the LC Extension Office



Brought to you by:



College of Agriculture,
Food and Environment
Cooperative Extension Service

COMING SOON (VERY SOON) Online Beginner Farmer Course

The Mammoth Cave Area Agriculture & Natural Resources Agents & Horticulture Agents are about to open a BRAND NEW Beginner Farmer Online Course. It will cover topics on resources, ideas, equipment, and industry specific topics that all new farmers and current farmers will enjoy & learn from. Be looking out on Facebook and our county website for more information and the release date.

LOGAN COUNTY
FARMERS'
Market

OPENING
DAY
MAY 31
7:30 AM - 12 PM

MARKET DAYS

SATURDAYS
7:30 AM - 12 PM

TUESDAYS
12 PM - 4 PM

LOGAN COUNTY EXTENSION COMPLEX
255 JOHN PAUL RD RUSSELLVILLE, KY



Logan Co Farmers' Market

Check out the Logan County Farmers' Market on Facebook! The season starts on May 31 and will run thru October. Vendors are still welcome to join. Call the Logan Co. Extension Office for information 270-726-6323.

2025 SOKY

COMMERCIAL PESTICIDE TRAINING

NOVEMBER 17, 2025

 Cooperative
Extension Service

\$50 per person/day

Logan County Extension Office

255 John Paul Rd Russellville, KY 42276
270-726-6323 or Your Local Extension Office

Make checks payable to: **MCACAA**

Commercial CEU's Available

KY CEU's : cat. 1A, 3, 4, 10, 11

TN CEU's : 2 pts (cat. 3, 6)

5 pts (cat. 1)

6 pts (10, 12)

CCA CEU : SW 1, IPM 2, CM 2, PD 1

*Not
confirmed*

| | |
|------------------|--|
| 8:30 - 9:00 am | Registration & Refreshments |
| 9:00 - 9:50 am | Updates in Seed Treatment Technologies - Dr. Kiersten Wise |
| 10:00 - 10:50 am | Pest Control in Aerial Applications - Jeremy Sandifer, KSU |
| 11:00 - 11:50 am | Important Pest Update & Runoff Mitigation - Dr. Ric Bessin |
| 11:50 - 12:20 pm | Lunch |
| 12:20 - 1:10 pm | Sprayer Calibration - Dr. Ric Bessin |
| 1:10 - 2:00 pm | Transportation Regulations - Officer Michael Smith, KSP |
| 2:00 - 2:50 pm | Weeds & Pest Management - Dr. Kenneth Clayton |
| 2:50 - 3:00 pm | Evaluations & Wrap Up |

**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.

Upcoming Dates

| | | | |
|---------|---------|---------------------------------------|---------------------|
| Sept 2 | 2:30 pm | LC Youth Hog Show & Sale | LC Ag Arena |
| Sept 20 | 9:00 am | Beef Bash | C. Oran Little Farm |
| Sept 20 | 6:30 pm | LC Cattlemen Quarterly Meeting | LC Extension Office |
| Oct 10 | 7:30 am | Tobacco Show | Russellville Square |
| Oct 13 | TBD | Master Cattlemen (Week 1 of 6) | TBD |
| Oct 17 | 4:30 pm | CAIP Submission Deadline | LC Extension Office |
| Oct 30 | 4:30 pm | Deadline for FREE Hay Testing Contest | LC Extension Office |
| Nov 17 | 8:30 am | SOKY Commercial Pesticide | LC Extension Office |

HOG SHOW & SALE

Join us for a great day celebrating these hard working kids

SEPT. 2

2:30 pm Show
6:00 pm Dinner
6:30 pm Sale

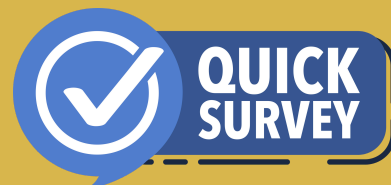
Pork Available!

Call the Extension Office for more information 270-726-6323

EXTENSION NEWSLETTER / PROGRAMS SURVEY

We are updating our newsletter list and are wanting your help! Please scan the QR Code with your phone to answer a few questions about how you would like to receive your Ag Newsletter.

We also want to know what programs you would like more information on or new programs we can bring to Logan County.



CHICKEN AND RANCH MUSHROOMS

Ingredients:

- Nonstick spray
- 1 pound boneless, skinless chicken breasts, sliced into strips
- 8 ounces white mushrooms, sliced
- 2 teaspoons dry ranch dressing mix
- 1 tablespoon unsalted butter
- 1 ½ cups fresh spinach
- ¼ teaspoon garlic powder
- 2 cups cooked barley or brown rice



Directions:

1. Spray large skillet with nonstick spray; heat to medium. Add chicken, cover and cook for 5 minutes. Turn chicken and move to one side of pan. Add mushrooms.
2. Sprinkle ranch seasoning over chicken and mushrooms. Add butter. Sauté for 5 minutes, stirring frequently. Remove from pan.
3. Add spinach to pan and sprinkle with garlic powder. Cover and steam until spinach wilts (3-5 minutes), stirring occasionally.
4. Arrange barley or brown rice on plates. Top with spinach, chicken and mushrooms.

Serving: 4 Servings Serving Size: 1/4 of Recipe

Nutrition Facts Per Serving: 320 calories; 6g total fat; 2.5g saturated fat; 0g trans fat; 90mg cholesterol; 270mg sodium; 26g carbohydrate; 4g fiber; 1g sugar; 0g added sugar; 30g protein; 80% Daily Value of vitamin D; 6% Daily Value of calcium; 10% Daily Value of iron; 15% Daily Value of potassium.