

Ag & Natural Resources Of Cows and Plows

FRANKLIN COUNTY COOPERATIVE EXTENSION SEPTEMBER 2023 NEWSLETTER



Franklin County
101 Lakeview Court
Frankfort, KY 40601-8750
(502) 695-9035
Fax: (502) 695-9309
franklin.ca.uky.edu



IN THIS ISSUE

COMPARISON OF PRODUCTION LEVELS	1-3
HEMP EDUCATION	3
BEEF BASH	3
ANNUAL PRODUCER CONFERENCE.....	4
BQCA CERTIFICATION	4
SMALL FUMINANT PRODUCER TRAINING	4
UK SURVEY	4
AG TAG DONATIONS	5
2023 HORSES &HORSEMEN	6
DR. TEMPLE GRANDIN.....	7
GRAZING CONFERENCE	8
FENCING SCHOOL	9
GRAZING SCHOOL	10
CONSERVATION CORNER	11
UK AI AND PREGNANCY SCHOOL	11
FC JR. CATTLEMEN	12
RECIPE	12
HABITAT MANAGEMENT SYMPOSIUM	13
SNAKES! LEARN MORE	14
CAIP	14
WE ARE HIRING	15
SAVE THE DATES	16

Comparison of Production Levels Among U.S. Beef Breeds

Genetic trends for beef breeds, for many traits, are on the move. The genetic trend for growth in most breeds is strongly positive. Maternal weaning weight (milk) on the other hand is breed dependent, with some breeds showing strong selection for increased milk and others slightly reducing their genetic potential for milking ability. For that reason, it is important to monitor relative differences between breeds for various production traits to assist beef producers in their breed selection decisions.

One of the greatest resources the U.S. beef industry has is the USDA ARS U.S. Meat Animal Research Center (USMARC) in Clay Center, Nebraska. This location delivers the primary research on breed differences to monitor how breeds have changed over time. The USMARC Germplasm Evaluation Program began in 1970 and has been monitoring breed differences since inception. This program has evaluated all influential U.S. breeds and many other unique breeds. This program has been the foundation for many of the genetic evaluation programs that include multiple breeds and allow for the computation of their Expected Progeny Differences (EPD).

Continued on pg. 2

Cont. from pg. 1

Additionally, the information generated from this program has been adjusted for sire sampling within breed and can be used to see how the breeds compare for various traits. This information can assist beef producers in determining which breeds work the best for their management, market, and production environment.

To assist beef producers in comparing breeds, Dr. Larry Cundiff with USMARC developed an “X” system to show the level of production that each breed had for each trait. Breeds with more X’s have higher values for that trait. More X’s could be a benefit or a liability depending on the trait and the producer’s goals and production environment. For example, more X’s for marbling means the average animal in that breed is more likely to reach the Choice Grade, while having more X’s for fat thickness indicated lower yielding carcasses. This system enabled producers to easily make comparisons of breeds without getting bogged down in specific values. The last time Dr. Cundiff updated the table was in 2003, and he retired in 2007. Since that time, breeds have gone through significant changes and more traits have been studied in the USMARC germplasm program. Table 1 is an updated version of Dr. Cundiff’s original work and reflects current breed differences with additional traits. For specific values reported by USMARC, and other studies, please see Table 2. As an example, Angus were once considered a moderate growth breed, but substantial changes in how they compare to other breeds for growth traits can be observed. They are now one of the largest mature weight and highest growth breeds, while maintaining lower birth weights and high marbling. Their carcasses also tend to be fatter and lighter muscled compared to many other breeds at similar ages of slaughter. Understanding breed differences for various traits can help guide beef producers in their breed selection decisions and help guide seedstock producers in making selection decisions to improve their breed for various traits. This information reemphasizes the point that there is no perfect breed—each has their pluses and minuses. Also remember, there is much variation within breeds, so many animals will not fit this general description and final selection decisions should be made based on an individual’s performance measures (EPD). These data can serve as a guide for commercial beef producers in deciding which breeds to use in crossbreeding programs, allowing comparisons of strengths and weaknesses in various traits.

Table 1. Relative Breed Differences for U.S. Beef Breeds.

Breed ¹	Birth Wt. (lb) ¹	Weaning Wt. (lb) ¹	Yearling Wt. (lb) ¹	Mature Wt. (lb) ^{1,2}	Maternal Milk (lb) ¹	Marbling Score ³	Ribeye Area (in ²) ⁴	Fat (in) ⁵	Carcass Wt. (lb) ¹	Lean to-fat ⁶	BCS ⁷	FE Index Steer ⁸
Angus	XX	XXXX	XXXXX	XXXX	XXXX	XXXXX	XX	XXXXX	XXXXX	X	XXXX	XX
Beefmaster	XXX	XXX	XXX	XX	XX						XXX	XXXXX
Brahman	XXXXX	XXXXX	XXX	XXXX	XXX	X	XX	XXX	XX	XXX	XXXX	XXX
Brangus	XXX	XXX	XXX	XXX	XXXX						XXX	XX
Braunvieh	XXX	XX	XX	X	XXXXX	XXX	XXXX	XX	XX	XXXX	X	XXX
Charolais	XXXX	XXXX	XXXX	XXXX	XXX	XXX	XXXX	XX	XXXX	XXXX	XXXX	XXX
Chiangus	XXX	XX	XX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXXX
Gelbvieh	XXX	XXXX	XXXX	XX	XXXX	XXX	XXXX	XXX	XXXX	XXX	XX	XXX
Hereford	XXX	XXX	XXX	XXX	XX	XXX	XX	XXXX	XXX	XX	XXXX	XXX
Limousin	XX	XXX	XXX	XX	XXX	XXX	XXXX	XXX	XXXX	XXX	XX	XXXXX
Maine-Anjou	XXX	X	X	XXX	X	XX	XXXX	XX	XX	XXXX	XXX	XXXX
Red Angus	X	XXX	XXXX	XXX	XXXX	XXXXX	XX	XXXXX	XXXX	X	XXXX	XX
Salers	XX	XXX	XXX	XXXX	XXXX	XX	XXXX	XX	XX	XXXX	XXX	XXX
Santa Gertrudis	XXX	XXX	XXX	XXX	XXX	XX	X	XXXX	XXX	XX	XX	XXXX
Shorthorn	XXXX	XX	XX	XXX	XXX	XXX	XX	XXX	XXX	XXX	XX	XXX
Simmental	XXX	XXXX	XXXX	XXXX	XXX	XXX	XXXX	XXX	XXXX	XXX	XXX	XX
South Devon	XXX	XX	XX	XXX	XXX	XXX	XXX	XX	XX	XXX		X
Tarentaise	XX	XXX	XX		XX							XXX

Adapted from: Encyclopedia of Animal Science – Beef Cattle: Breeds and Genetics. Cundiff, 2003

¹ Sire Breed; Hereford-Angus on dam side. Differences in X's does not imply statistical differences!

² Breeds with more X's indicates greater weight for this trait (X = lighter weight, XXXXX = heavier weight) at the same age

³ Not adjusted for Body Condition Score

⁴ Breeds with more X's indicates higher marbling score (X = lighter marbling, XXXXX = heavier marbling) when harvested at the same age

⁵ Breeds with more X's indicates greater ribeye area (X = smaller ribeye, XXXXX = larger ribeye) when harvested at the same age

⁶ Breeds with more X's indicates greater fat thickness at the 12th rib (X = less fat, XXXXX = more fat) when harvested at the same age

⁷ Breeds with more X's indicates more lean compared to fat based on calculated yield grade (X = higher yield grade, XXXXX = lower yield grade) when harvested at the same age; yield grade calculated assuming equal kidney, pelvic and heart fat

⁸ Breeds with more X's indicates higher cow body condition scores (X = lower condition, XXXXX = higher condition) at the same stage of production and same parity

⁹ Breeds with more X's indicates a higher index value (better feed efficiency; X = less efficient, XXXXX = more efficient) on a high concentrate finishing diet

Sources:

Birth, weaning, yearling and carcass weight, maternal milk, marbling, ribeye area, fat, carcass weight (Kuehn and Thallman, BIF 2022)

Mature weight and body condition score (Ribeiro, A.M.F., et al.. Genetic parameters, heterosis, and breed effects for body condition score and mature cow weight in beef cattle. Journal of Animal Science. Volume 100, Issue 2. February 2022. skac017. <https://doi.org/10.1093/jas/skac017>)

Feed efficiency index (Retallick, K. J., et al.. Genetic variance and covariance and breed differences for feed intake and average daily gain to improve feed efficiency in growing cattle. Journal of Animal Science. Volume 95, Issue 4. April 2017. <https://doi.org/10.2527/jas.2016.1260>)

Table 2. Actual Breed Differences for U.S. Beef Breeds.

Breed ¹	Birth Wt. (lb)	Weaning Wt. (lb)	Yearling Wt. (lb)	Maternal Milk (lb)	Mature Wt. (lb) ¹	Marbling Score	Ribeye Area (in ²)	Fat (in)	Carcass Wt. (lb)	Yield Grade ²	BCS ^{1,3}	FE Index Steers ^{1,4}
Angus	84.7	539.2	978.6	521.1	0.0	6.19	13.71	0.663	920.8	3.27	0.00	0.000
Beefmaster	87.4	528.2	920.1	507.8	-76.1						-0.13	0.201
Brahman	94.4	557.4	928.7	513.5	20.9	4.86	13.49	0.509	859.3	2.72	0.08	0.100
Brangus	87.1	520.8	929.7	519.0	-45.0						-0.12	-0.002
Braunvieh	88.2	511.7	902.7	528.8	-194.7	5.49	14.47	0.487	853.4	2.33	-0.55	0.073
Charolais	89.5	540.8	950.2	515.8	14.3	5.34	14.57	0.463	898.1	2.41	0.00	0.070
Chiangus	87.9	507.0	907.0	512.6	-33.1	5.46	14.01	0.524	872.9	2.64	-0.17	0.130
Gelbvieh	86.5	537.8	955.6	520.2	-71.2	5.30	14.42	0.522	890.0	2.57	-0.53	0.107
Hereford	87.2	517.2	914.7	508.9	-30.4	5.31	13.50	0.590	868.7	2.96	-0.11	0.099
Limousin	85.5	530.1	926.2	512.3	-76.3	5.39	14.52	0.531	892.8	2.57	-0.40	0.206
Maine-Anjou	86.3	496.8	876.9	503.8	-62.6	5.17	14.40	0.454	855.4	2.28	-0.29	0.130
Red Angus	83.9	518.6	937.5	521.6	-47.8	5.87	13.47	0.631	885.5	3.13	0.04	-0.014
Salers	85.9	517.9	916.8	518.7	-20.1	5.17	14.39	0.475	861.1	2.35	-0.20	0.070
Santa Gertrudis	88.4	528.2	920.7	512.3	-33.1	5.11	13.32	0.579	873.2	3.00	-0.41	0.119
Shorthorn	89.0	500.9	901.9	514.2	-49.8	5.45	13.71	0.529	867.5	2.73	-0.50	0.070
Simmental	87.1	542.0	959.1	516.1	-17.0	5.50	14.45	0.501	897.5	2.54	-0.22	0.027
South Devon	88.2	506.0	893.5	518.1		5.29	13.90	0.493	850.6	2.52		-0.041
Tarentaise	86.2	523.1	892.1	505.7								0.050

¹ Sire Breed; Hereford-Angus on dam side. Missing values means the breed was not represented in that study

² Values are a deviation from an Angus base

³ Yield grade calculated assuming equal kidney, pelvic and heart fat. Lower values means better lean to fat ratio

⁴ BCS = Body Condition Score

⁵ Feed Efficiency (FE) index was an unrestricted index using on-test ADFI and on-test ADG based of steers on a high concentrate finishing diet where higher values means better efficiency (Gain:Feed)

Sources:

Birth, weaning, yearling and carcass weight, maternal milk, marbling, ribeye area, fat, carcass weight (Kuehn and Thallman, BIF 2022)

Mature weight and body condition score (Ribeiro, A.M.F., et al., Genetic parameters, heterosis, and breed effects for body condition score and mature cow weight in beef cattle. Journal of Animal Science. Volume 100, Issue 2, February 2022. skac017. <https://doi.org/10.1093/jas/skac017>)

Feed efficiency index (Retallick, K. J., et al., Genetic variance and covariance and breed differences for feed intake and average daily gain to improve feed efficiency in growing cattle. Journal of Animal Science. Volume 95, Issue 4, April 2017. <https://doi.org/10.2527/jas.2016.1260>)

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

SPONSORED BY
 VICTORY hemp

HEMP EDUCATIONAL SESSIONS & FIELD DAY

SEPTEMBER 12, 2023

PIRRI EQUINE PAVILLION
2011 Star Pilot Ln
Lexington, KY 40511

**CAIP
APPROVED**

PRESENTATIONS INCLUDE:

- Grain Dehulling & Crushing Demo
- Regulatory Overview
- Agronomy Presentations & Discussions
- Disease & Insect Hands-on Presentations

JOIN US FOR ANY OR ALL OF THE FOLLOWING SESSIONS:

- Victory Hemp Grain Series: 8:30 am – 1:00 pm Lunch included (Sponsored by Victory Hemp Foods)
- Educational Session: 1:00 pm – 4:15 pm
- Field Tours: 4:30 pm – 7:30 pm Dinner included

PRE-REGISTER BY SEPTEMBER 5 TO SECURE MEAL TICKETS:
https://uky.az1.qualtrics.com/jfe/form/SV_etlaroYSn3RHnDw

Educational programs of the Kentucky Cooperative Extension Service serve all people regardless of race, color, age, sex, religion, disability, or national origin.

**CAIP
APPROVED**

COOPERATIVE EXTENSION

BEEF BASH

UNIVERSITY OF KENTUCKY

Thursday, September 21
C. Oran Little Research Center
1051 Midway Rd. Versailles, KY

Registration opens at 1:30 PM
Program begins at 2:00 PM
Tickets are \$15 and include meal.

Register by searching
Beef Bash 2023 at Eventbrite.com

VISIT WITH:

- Commercial Exhibitors
- Research Demonstrations
- Educational Exhibits
- KY Ag Leaders
- UK Personnel & Admin
- KCA Leadership & Staff

Tyler Purvis, UK Beef Extension
tapu228@uky.edu (859) 257-7512

Martin-Gatton
College of Agriculture,
Food and Environment

SAVE THE DATE!
 Registration opens September 1st!

2023 KY ANNUAL PRODUCER CONFERENCE

www.kysheepandgoat.org

CAIP APPROVED

Don't Miss Keynote Speaker:
 Dr. Braden Campbell,
 The Ohio State University,
 Assistant Professor

October 14, 2023
 Boyle County Extension Office

The right time is **now**.
 The right way is **BQCA**.

The Kentucky Beef Network and University of Kentucky Extension are offering **FREE BQCA CERTIFICATION** online or through your county extension office **September 1st through September 31st, 2023**.

University of Kentucky
 College of Agriculture, Food and Environment
 Beef Extension

KBN
 KENTUCKY BEEF NETWORK

KY-BQCA
 KENTUCKY BEEF QUALITY & CARE ASSURANCE

MarketReady Dairy Presents

Small Ruminant PRODUCER TRAINING

MarketReady educates producers interested in expanding their business and products into wholesale, retail, and restaurant markets. Join us for this virtual training opportunity made possible by the Southeast Dairy Business Innovation Initiative.

Hosted by the MarketReady Dairy Producer Training Program and the Kentucky Sheep and Goat Development Office

CAIP APPROVED

DATES:
 September 7th 7:00-8:30 PM
 September 14th 7:00-8:30 PM

REGISTRATION:
<https://marketready.uky.edu/events>

MORE CONTACT INFO:
 Camille Dant
camille.dant@uky.edu

We are offering 2 virtual training opportunities for our core MarketReady sessions. These will introduce key concepts for marketing to wholesale channels.

*PLEASE REGISTER FOR ONLY ONE TRAINING SINCE THEY BOTH WILL COVER THE SAME MATERIAL

MarketReady

KENTUCKY COOPERATIVE EXTENSION

HOW CAN WE serve you??

Take our ten-minute survey to help us develop programs addressing needs in your community. Scan the code above or visit: go.uky.edu/serveKY

- Kentucky resident?
- At least 18 years old?
- Care about your community?

Cooperative Extension Service
 Agriculture and Natural Resources
 Family and Consumer Sciences
 4-H Youth Development
 Community and Economic Development
 Lexington, KY 40506

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 be disseminated on the basis of needs, without regard to race, religion, political belief, sex, sexual orientation, gender identity or expression, pregnancy marital status, genetic information, age, veteran status, physical or mental disability or handicap or medication. For more information on accessibility accommodations 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, US Department of Agriculture, and Kentucky Center for Cooperatives
 Lexington, KY 40506

Contact your local Extension Office for a paper copy of the survey.

'Ag Tag' donations reach highest level ever for program

Total divided among 4-H, FFA, KDA

FRANKFORT (August 18, 2023) - Kentucky farmers donated \$735,815.88 to the Ag Tag Program for 2023. The total represents the largest amount ever donated in a single year since the program began and it brings the total of donations to more than \$5 million since 2016, Commissioner of Agriculture Dr. Ryan Quarles announced today.

"This year's record-breaking Ag Tag donations is a true example of our Kentucky farm families giving back to their communities," Commissioner Quarles said. "Through the years, the Ag Tag Program has succeeded in providing much-needed funding for promoting agriculture and educating Kentucky's youth on the importance of agriculture in our everyday lives. Your generosity will help ensure Kentucky agriculture has a bright future."

The voluntary donations are divided equally among Kentucky 4-H, Kentucky FFA, and the Kentucky Department of Agriculture (KDA). This year, each group will receive \$245,271.96. Since 2016, Kentucky FFA and Kentucky 4-H have received, collectively, nearly \$3.5 million from donations made by ag producers renewing their vehicles each year.

Half of the 4-H and FFA donations are returned to local councils and chapters, meaning leaders in the donating community are able to use those funds to cover the cost of 4-H and FFA camp and other leadership programs for youth. County 4-H councils regularly uses Ag Tag dollars to provide 4-H camp scholarships and travel for life-changing, educational experiences to enable local 4-H youth to grow as leaders and engaged citizens. FFA chapters were free to use the money to meet the greatest needs in their community, such as FFA jackets for students in need or helping cover travel costs to leadership events.



The KDA uses its share of the Ag Tag funds for various programs such as the Ag Athlete of the Year awards, the Kentucky Leopold Conservation Award, Kentucky Women in Agriculture, and the University of Kentucky Grain and Forage Center of Excellence.



Continued on pg. 6

Cont. from pg. 5

“The Kentucky FFA Foundation is thrilled with the 2023 Ag Tag campaign. The Ag Tag program has become a vital part of accomplishing our vision of Growing Leaders, Building Communities & Strengthening Agriculture,” said Sheldon McKinney, executive director of the Kentucky FFA Foundation. “We give half of the funds given in each county back to the local chapters in that county, so this means a greater impact in each community. We also use Ag Tag donations to fund Ag Achievers grants, which offer much-needed technology upgrades to agriculture classrooms across Kentucky, provide travel scholarships to our students competing at National FFA Convention, and provide a great experience for our students at the Kentucky State Fair. It is a simple way to give back and collectively, make a huge impact on the future of Kentucky agriculture.”

“Kentucky 4-H is truly grateful to all those who chose to make the \$10 donation and support youth across the commonwealth,” said Melissa Miller, executive director of the Kentucky 4-H Foundation. “The Ag Tag dollars are instrumental in supporting 4-H programs in all 120 counties. These funds allow youth to thrive by growing, developing, and engaging in their communities.”

Kentucky motorists who buy or renew farm vehicle license plates, or “ag tags,” may make a voluntary donation of up to \$10 to the Ag Tag Fund. Half of the 4-H and FFA funds go back to the county where the tag is purchased, where both organizations use the funds to support local programming, awards, and scholarships.



KY SMALL RUMINANT **SEPT 16th 2023**
Field Day

CAIP APPROVED

Speakers
SHAWN HARPER
DR. JIMMY HENNING
TAYLOR GRAVES
MATT HAMILTON
JASON P'POOLE

STAY-TUFF
TARTER
Burkmann NUTRITION

Marion County Fairgrounds
 593 Fairgrounds Rd, Lebanon, KY

\$10 ticket
www.kysheepandgoat.org/small-ruminant-field-day

Central Kentucky Small Ruminant Association
 KENTUCKY GOAT PRODUCERS ASSOCIATION
 Kentucky Sheep & Wool Producers Association



CAIP APPROVED

2023 Horses & Horsemen:
 Equipment and Facilities for the Small Acreage Horse Owner

Tuesday, September 12 at 5:00pm

RSVP to Mercer County Extension Office: 859-734-4378

Schedule:
 5:00—Registration and trade fair
 6:00—Dinner by Mercer County Cattlemen’s Association
 6:15—Welcome & Farm Overview by Desmar Stables
 6:30—Tractor and Equipment Safety—Dale Dobson, KDA Farm Safety Program Administrator
 7:00—What to consider in your farm layout, Dr. Bob Coleman —Making Good Equipment Decisions, Dr. Morgan Hayes

DESMAR STABLES

Location:
Desmar Stables LLC
 at Crockett Springs Farm
 685 Handy Pike
 Harrodsburg, KY 40330

UK University of Kentucky
 College of Agriculture, Food and Environment
 Cooperative Extension Service
Ag Equine Programs
 College of Agriculture, Food and Environment

Cattle Behavior and Handling with Dr. Temple Grandin



Friday, September 22, 2023
 6:00pm
 Fayette County
 Extension Office
 Lexington, KY

Cost: \$50.00 per person (includes dinner and talk)
 Reservations for tickets will begin on August 7, 2023.
 Limit of 4 tickets per purchaser.

On August 7th, please contact Beau Neal to reserve tickets and to receive instructions on how to submit your payment. Tickets must be purchased prior to the event. They will *not* be available for purchase at the door.

Contact Beau Neal at beau.neal@uky.edu or (859) 257-5582.



Sponsors:



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.

Grazing Conference

Low Stress Livestock Handling for Serious Graziers

October 31, 2023

Elizabethtown

Hardin County Extension Office

7:30 AM - 3:30 PM CDT

November 1, 2023

Lexington

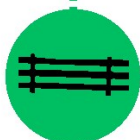
Fayette County Extension Office

7:30 AM - 3:30 PM EDT



Reducing Livestock Stress in Grazing Systems

Curt Pate, Curt Pate Stockmanship



Fencing for Multi-Species Grazing

Lewis Sapp, Stay-Tuff Fence



Designing Flexible Watering Systems

Jeff Lehmkuhler, University of Kentucky



Designing Livestock Handling Facilities for Existing Structures

Chris McBurney, McBurney Livestock Equipment



Local Producers and Spokesperson Contest



Optimizing Resources with Multi-Species Grazing

Greg Brann, Greg Brann Consulting

For more information please visit KFGC.ORG

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: November 7-Scott County, KY
November 9-Caldwell County, KY

WHERE: Scott County Extension Office
1130 Cincinnati Road
Georgetown, KY 40324

Kentucky Soybean Board Office
1000 Highway 62 West
Princeton, KY 42445



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

Registration DEADLINE: 1 week prior to workshop

ONLINE Registration with Credit Card:

___ Georgetown, KY [Register for KY Fencing School in GEORGETOWN](#)

___ Princeton, KY [Register for KY Fencing School in PRINCETON](#)



Registration by U.S. Mail: Christi Forsythe
UK Research and Education Center
P.O. Box 469
Princeton, KY 42445

Name: _____

Street: _____

City: _____ State: _____ Zip code: _____

Email: _____ Cell Phone: _____

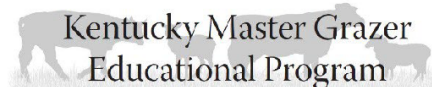
Number of participants _____ x \$35 per participant = _____ **Total Cost**



Make CHECKS payable to: KFGC

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

2023 Kentucky Fencing Schools



2023 Kentucky Beginning Grazing School

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



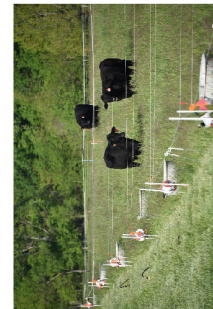
Emphasis on ruminants - beef, dairy, sheep, & goats

Wednesday, September 27, 2023

Thursday September 28, 2023

MEET AT WOODFORD COUNTY EXTENSION OFFICE EACH MORNING

- 7:30 Registration and refreshments
- 8:00 Introduction of staff and participants
- 8:15 Benefits of rotational grazing-Dr. Ray Smith, UK
- 8:35 Introduction to soils-Dr. John Grove, UK
- 9:05 Grazing math concepts/introduce field exercise-Dr. Katie VanValin, UK
- 9:35 Break & travel to field demonstration area
- 10:00 Hands on soil sampling-John Grove
- 10:20 Portable/seasonal water systems-Dr. Jeff Lehmkuhler, UK
- 10:40 Methods to assess pasture production and determine stocking rate-Dr. Ray Smith, UK
- 11:00 Hands-on: setting up small paddocks for grazing demonstrations-All Instructors
- 12:15 Lunch at farm (Woodford County Cattlemen)
- 1:00 Travel to local farm
- 1:30 Tour of local farm
- 3:00 Travel to teaching facility
- 3:30 Using electric fencing to control grazing- Jeremy McGill, Gallagher
- 4:00 Forage species for a comprehensive grazing system-Dr. Chris Teutsch, UK
- 4:30 Discussion and adjourn



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

Educational programs of Kentucky Cooperative Extension serve all people regardless of economic or social status and will not discriminate on the basis of race, 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. Contact your local office or the University System of Kentucky State University, U.S. Department of Agriculture, and Kentucky State Cooperative Extension, Lexington, KY 40546.



Disabilities accommodated with prior notification.

- 7:30 Refreshments
- 8:00 Forage plant growth-Dr. Ray Smith, UK
- 8:30 Meeting the nutritional needs of grazing livestock-Dr. Jeff Lehmkuhler, UK
- 9:00 Financial assistance for improved grazing infrastructure-Adam Jones, NRCs
- 9:30 Break
- 10:00 Fencing types and costs-Dr. Morgan Hayes, UK
- 10:30 Fundamentals of laying out a grazing system-Dr. Jeff Lehmkuhler, UK
- 11:00 Small group project: grazing system design-Adam Jones, NRCs
- 12:00 Lunch (Woodford County Cattlemen)
- 1:00 How I made grazing work on the farm-Todd Clark, Clark Family Farm
- 1:30 Rejuvenating run-down pastures-Dr. Chris Teutsch, UK
- 2:00 Grazing myths that impact profitability-Greg Hallich, UK
- 2:30 Complete grazing school evaluation
- 2:45 Travel to field demonstration area
- 3:00 Field exercise: observe grazed paddocks and hear reports from each group
- 3:30 Hay sampling and analysis-Jimmy Henning, UK
- 4:00 GPS and frost seeding demonstration-Brittany Hendrix
- 4:30 Final comments, diplomas, and adjourn

2023 Kentucky Beginning Grazing School

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

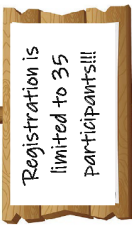
When: September 27-28, 2023
Where: Woodford County Extension Office
184 Beasley Drive, Versailles, KY 40383



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

Program Registration: DEADLINE is September 22, 2023

Online Registration with CREDIT CARD AT:
<https://www.eventbrite.com/e/2023-kentucky-beginning-grazing-school-fall-tickets-666511101647?aff=oddtcreator>



Registration by U.S. Mail with CHECK:

Christi Forsythe
UK Research and Education Center
348 University Drive, Princeton, KY 42445

Name: _____
Street: _____
City: _____ Zip Code: _____
State: _____
Cell Phone: _____
Email: _____



Number of participants _____ x \$60 per participant = _____ Total Amount

Please make checks payable to KFGC



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

Kentucky Master Grazer
Educational Program



Conservation Corner

Updates from the Franklin County Conservation District

District Equipment Rental Rates As of 9/1/2023

- No Till Drills (5) \$6.00 Per Acre/\$50 Minimum
- Brillion Seeder \$6.00 Per Acre/\$50 Minimum
- 3 Ton Lime Spreader \$50.00 Per Day
- 6 Ton Lime Spreader \$75.00 Per Day
- Pasture Sprayer (2) \$30.00 Per Day
- Weed Wiper \$30.00 Per Day
- Chain Harrow (2) \$30.00 Per Day
- Small Manure Spreader \$75.00 Per Day
- Large Manure Spreader \$100.00 Per Day
- Inline Bale Wrapper \$100.00 Per Day
- Tree Planter \$30.00 Per Day
- Out of county rental will be an additional \$25.00

New Conservation District Equipment Rates starting September 1, 2023. Please contact the Conservation District at (502) 352-2701 if you need to rent equipment from this list.



August 1st, 2023 to June 1st, 2024

Contact the office at 502-352-2701 for more information

UK AI and Pregnancy Diagnosis School



On October 11th and 12th , the Woodford County Research Farm will be hosting the UK AI and Pregnancy Diagnosis school. Dr. Les Anderson and partners from Select Sires Midamerica will be leading instruction on proper AI procedure as well as pregnancy diagnosis. Class will begin at 10 am each day and end at 4 pm. Lunch will be provided.

Those who are interested can register and pay online at <https://www.eventbrite.com/e/university-of-kentucky-pregnancy-diagnosis-and-ai-school-tickets-707926817167?aff=oddtcreator>

If attendees would like to register and pay with check or have any other questions, please contact Tyler Purvis via email at tapu228@uky.edu or call 859-257-7512.

Franklin County Junior Cattlemen’s Association

State Fair Fun! The Franklin County Jr. Cattlemen’s Association were able to take a special behind the scenes tour of the show ring at the Kentucky State Fair. Along the way, they met up with the commissioner of Agriculture, Ryan Quarles!

Know a youth interested in joining? Contact Crystal at



Recipe



Jalapeño Poppers

- | | | |
|--|---|--|
| 4 ounces reduced fat cream cheese | 1 teaspoon garlic powder | 8 large jalapeño peppers |
| 1 tablespoon grated Parmesan cheese | ¾ cup shredded reduced fat mozzarella cheese | 8 pieces , thinly sliced bacon, cut in half |

Preheat oven to 425 degrees F. In a small bowl, **mix** together the cream cheese, Parmesan cheese, garlic powder and mozzarella cheese. **Wash** peppers and **cut off** stems. **Cut** peppers lengthwise to make 16 halves. You may want to wear plastic gloves while handling hot peppers. **Scrape** out the seeds and membrane of each pepper. **Stuff** each pepper half with the cream cheese mixture and **wrap** each stuffed pepper with

a half piece of bacon. Lightly grease a broiler pan or pan with a rack. This will allow any grease to fall away from the poppers. **Bake** for 20 minutes or until poppers are hot and juicy and the bacon is browned.

Yield: 16 servings

Nutritional Analysis: 60 calories, 4 g fat, 2.5 g saturated fat, 5 mg cholesterol, 180 mg sodium, 1 g carbohydrate, 0 g fiber, 1 g sugars, 5 g protein.



**KENTUCKY STATE
UNIVERSITY**
College of Agriculture,
Community, and the Sciences

SEILER
GEOSPATIAL



HABITAT MANAGEMENT SYMPOSIUM

October 2-4, 2023

**Harold R. Benson Research and Demonstration Farm
Frankfort, Kentucky**

Day 1: Remote sensing workshop

**Days 2 & 3: Natural areas management
practices & demonstrations and case studies of
recent conservation projects**

Full agenda and registration details coming soon

This institution is an equal opportunity provider.
Reasonable accommodations for individuals with disabilities will be provided free of charge upon request. Language access services for limited English proficient individuals will be provided free of charge upon request. Please contact Kasia Bradley at kasia.bradley@kysu.edu by September 15, 2023.

**CAIP
APPROVED**



Snakes! Learn More, Fear Less

Around Kentucky, a fascinating world often misunderstood by many unfolds—the world of snakes. Despite their infamous reputation, these creatures are far more complex and essential to the state's ecosystem than meets the eye. More than 30 snake species live in Kentucky, but only four possess venom, while the rest contribute to the intricate balance of nature.

Kentucky's diverse landscapes provide an ideal habitat for these often-maligned creatures. The venomous snakes, ranging from the secretive copperhead and Western cottonmouth, aka water moccasin, to the pygmy rattlesnake and the graceful timber rattlesnake, are vital to the state's environment. They often go unnoticed, keeping populations of mice and other rodents in check. Numerous non-venomous snakes such as the common garter snake and the North American black racer thrive throughout the state.

The University of Kentucky Martin-Gatton College of Agriculture, Food and Environment offers a comprehensive website to help you identify and learn more about snakes you may encounter around your home or farm.

A user-friendly interface allows you to pinpoint snake species based on its geographic location and unique characteristics. A snake's head shape, body structure or color patterns all offer clues to help with identification. Whether you find a snake while hiking through the woods or exploring your own backyard, this platform will help you fight fear with information.

Photographs and descriptions offer a visual encyclopedia for both venomous and non-venomous species in the region. If you come in close contact with a venomous snake, use caution and respect. You may learn to appreciate them from a safe distance and admire them in their natural habitats.

The website details each snake's unique natural history and conservation status. With newfound knowledge, you may see snakes in a new, fresh light.

Visit the website at <https://kysnakes.ca.uky.edu/>. For more information about Kentucky wildlife and other topics, contact the (COUNTY NAME) Cooperative Extension Service.

Source: Matthew Springer, assistant extension professor of wildlife management

MONEY FOR FARM IMPROVEMENTS

KADF
KENTUCKY AGRICULTURAL DEVELOPMENT FUND

Eligible Investment Areas:

- Agricultural Diversification*
- AgTech & 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
Franklin Co. Cattlemen's Assoc.
101 Lakeview Court
Frankfort, KY 40601
<https://www.facebook.com/FranklinCountyKYCooperativeExtension>

COUNTY AGRICULTURAL INVESTMENT PROGRAM (CAIP)

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

Application Period:
August 18 through September 8, 2023

No applications will be accepted before August 18th or after 4:00 pm on September 8th

Application Availability:
Franklin County Extension Office
Monday – Friday (8:00 a.m. – 4:00 p.m.) or online:

For More Information:
Contact Crystal Harrod at (502) 330-5084 or email crystal.harrod@yahoo.com

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

Have you heard?

Franklin County Cooperative Extension is HIRING!

We have three positions open:
Nutrition Education Program Assistant

(application closes 9/4)

4-H Program Assistant

(application closes 9/7)

Facilities Manager

(application closes 9/7)

Find out more information and apply
online at ukjobs.uky.edu

The office is also soliciting bids for a bookkeeper.
Find out more information at franklin.ca.uky.edu



SAVE THE DATES:

- September 4** Labor Day, Extension Office Closed
- September 8** CAIP Application Deadline
- September 12** Equine Equipment & Facilities Field Day, Mercer County
- September 20** Farmer Appreciation Day, State Capital Annex
- September 23** Rabbit Show, Lakeview Park Livestock Pavilions
- September 27-28** Beginning Grazing School
- October 5** BQCA Chute-side Certification
- October 12** Feeder Calf Grading School, Producers Stockyard Owenton
- October 17** FC Cattlemen's Annual Membership Meeting, KSU Farm

SAVE THE DATE



**EDEN SHALE FARM
OPEN HOUSE OCTOBER 21**

Keenan R Bishop

**Keenan Bishop, County Extension Agent
for Agriculture and Natural Resources
Education**



**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.