

HAVE YOU HERD?

February Issue for Agriculture & Natural Resources Newsletter



RAISING HOPE
Supporting Healthy Lives on Kentucky Farms



IF YOU'RE HOLDING SOMETHING IN, LET IT OUT.

When it comes to struggling with mental health, no farmer is alone.

I hope your New Year is off to a good start! Am I the only one or does it seem like time flies anymore? My January was filled with conferences. It was good to see Owen County producers at the Fruit and Vegetable Conference and the Cattlemen's Convention. These are great opportunities for producers to learn and network with others.


In this issue, you will find we have several opportunities coming up. If you plan on attending the Analyzing your Horse's Hay program, stop by before hand and borrow our hay probe so you can collect a sample and get your results before this program.

Cattle breeding season, for some, is just around the corner. Now is a good time to have a breeding soundness exam (BSE) conducted on your bull. This will ensure you have time to find a replacement before the breeding season begins. On March 23 we will be offering a BSE clinic at United Producers Inc. If you attend, the two educational classes the week prior you will receive a discounted rate at BSE clinic.

Don't forget to mark your Calendars for April 4th. That evening we plan to have our Ag Funding Workshop where we plan to discuss various funding resources and the changes to the cost-share program. Fingers crossed, applications for the CAIP Cost-share will be available that evening.

I'm looking for a few producers that would be interested in growing produce in black plastic (similar to the hemp fields in the area) and possibly hosting a field day. If you would be interested, please reach out!

As you're getting spring fever, don't forget to take a soil test and reach out if you have any questions!



Kendal Bowman
Agriculture & Natural Resources Agent

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





NUISANCE WEED SPRAYING PROGRAM

NOTE: The registration period for this program is the month of February, and all registration must be done online at <http://www.kyagr.com/consumer/nuisance-weed-spraying-program-application.aspx>. This program consists of weed spraying demonstration plots. The department will provide the sprayer and enough chemical for the treatment of 10 acres of agricultural land or 100 gallons of spot spraying mix to be used on agricultural land. The department's representative will demonstrate proper mixing and application techniques. A number of nuisance weeds can be treated under this program depending on the needs of the participant. This program is limited to broadleaf weeds.

Broadcast Spraying demonstration plots consist of:

- 10 acres of agricultural land will be treated with chemical provided by the department
- Application is performed with a two-wheeled trailer type sprayer equipped with boomless nozzles

If additional chemical is provided by the participant, an additional 10 acres can be treated

Spot Spraying demonstration plots consist of:

- 100 gallons of broadleaf chemical mix which is applied until sprayer is empty
- Application is performed with a two-wheeled trailer type sprayer equipped with a handheld spray wand used by the tractor operator

If additional chemical is provided by the participant, an additional 100 gallons can be sprayed

For each demonstration:

- The participant must provide water source
- The participant must provide tractor and operator
- All chemical products must be labeled and the product label will be strictly followed

A maximum of 7 participants per county

This program is designed to target weeds that have a negative impact on the participant's agricultural production. There will be an annual online application period to participate in this



EDEN SHALE FARM UPDATE

There is an unsung hero in the agriculture world. A hero that we all rely on, but that does not get the credit they deserve. That hero is the farm store.

They come in many different shapes and sizes and most every small farming community has one. As an oasis of commerce, they serve as a vital hub of booth supplies and knowledge for local producers.



Owen County is blessed to have an excellent Southern States Coop. Located on 7 acres at the north end of Owenton sits “our” farm store. This Southern States location was established in 1949 and has been continually serving its customers for the past 75 years. For half of its existence it has been managed by John Layton, who after 39 years of service retired at the end of January. John has been a wonderful person to do business with. Besides being attentive to our ever changing needs, he has always been helpful, always kind, and always smiling. I know that his leadership and service to the agriculture community will continue to have impacts for years to come.

John is leaving the reins to a very capable team. Waiting to greet you at the “back counter” is Jeff Satchwell, Assistant Manager, and Ken Gainnes, Department Manager. These gentlemen assist the 4,000+ producers the store serves in getting products and services to your farm in a timely manner. These men provide the knowledge that ensure that producers are using the correct products and rates on everything from row crop inputs, livestock nutrition, or fertilizer recommendations for either.

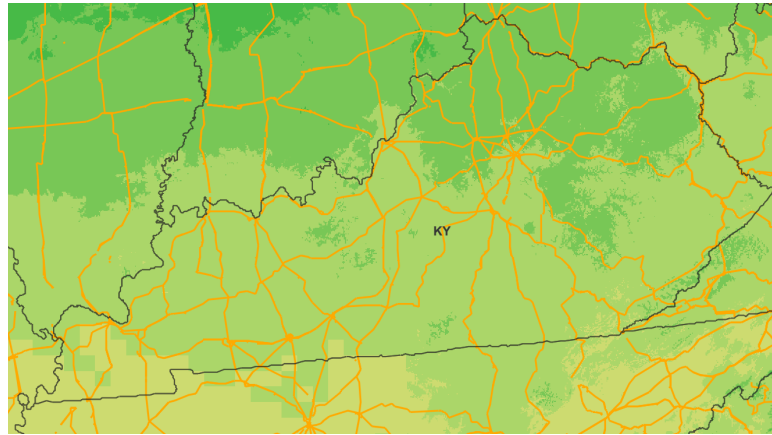


Without the Owenton Southern States we would not be able to efficiently run the Eden Shale Farm. They have been serving the Eden Shale Farm since our inception in the mid 1950’s, and still today they are pivotal in our daily operations. When asked what the most rewarding part of his job has been, John replied without hesitation through his always present smile, “The people. I have always enjoyed serving our customers.”



Zones Updated

The USDA has just released its updated plant hardiness zone map for the United States. This new map is based on 30-year averages of the lowest annual winter temperatures and aims to provide guidance on what perennial plants will likely survive winter low temperatures in different parts of the country. There are several updates for 2023. There are now two new zones (12 and 13) that only appear in Hawaii and Puerto Rico. More significantly the new map now includes more recent data from 1991 to 2020 as compared to the 2012 map, which used data from the 1970s only up until 2005. The map now includes data from many more weather stations as well – from 7,983 for the 2012 map to 13,412 in the newest version. This means that it is more precise and accurate than ever, and it also contains the much more recent weather data.



| Temp (F) | Zone | Temp (C) |
|------------|------|----------------|
| -60 to -55 | 1a | -51.1 to -48.3 |
| -55 to -50 | 1b | -48.3 to -45.6 |
| -50 to -45 | 2a | -45.6 to -42.8 |
| -45 to -40 | 2b | -42.8 to -40 |
| -40 to -35 | 3a | -40 to -37.2 |
| -35 to -30 | 3b | -37.2 to -34.4 |
| -30 to -25 | 4a | -34.4 to -31.7 |
| -25 to -20 | 4b | -31.7 to -28.9 |
| -20 to -15 | 5a | -28.9 to -26.1 |
| -15 to -10 | 5b | -26.1 to -23.3 |
| -10 to -5 | 6a | -23.3 to -20.6 |
| -5 to 0 | 6b | -20.6 to -17.8 |
| 0 to 5 | 7a | -17.8 to -15 |
| 5 to 10 | 7b | -15 to -12.2 |
| 10 to 15 | 8a | -12.2 to -9.4 |
| 15 to 20 | 8b | -9.4 to -6.7 |
| 20 to 25 | 9a | -6.7 to -3.9 |
| 25 to 30 | 9b | -3.9 to -1.1 |
| 30 to 35 | 10a | -1.1 to 1.7 |
| 35 to 40 | 10b | 1.7 to 4.4 |
| 40 to 45 | 11a | 4.4 to 7.2 |
| 45 to 50 | 11b | 7.2 to 10 |
| 50 to 55 | 12a | 10 to 12.8 |
| 55 to 60 | 12b | 12.8 to 15.6 |
| 60 to 65 | 13a | 15.6 to 18.3 |
| 65 to 70 | 13b | 18.3 to 21.1 |

A Warming Trend, But It's Complex

Interestingly, about half the country is seeing a half-zone increase in hardiness zone. In the USDA's recent press release, they stress that the change in hardiness zones is "...not necessarily reflective of global climate change because of the highly variable nature of the extreme minimum temperature of the year, as well as the use of increasingly sophisticated mapping methods and the inclusion of data from more weather stations." Additionally, they note that "These national differences in zonal boundaries are mostly a result of incorporating temperature data from a more recent time period," suggesting that despite using a very limited measurement (the 30-year average of the annual lowest single temperature for a given place), it is still showing an increase in the average of the low temperatures for much of the country.

What The New Map Shows, And What It Doesn't

The evidence is clear that a changing climate is upon us, but it's important to make a distinction between short-term weather data that often has significant variability and long-term climate trends, which are only understood by analyzing an immense amount of data from decades or even centuries. The purpose of the USDA Plant Hardiness Zone Map is limited in scope and thus only incorporates a limited amount of data from a relatively short 30-year period. While we may see the signs of climate change in a data set such as what goes into the hardiness zone map, it is far too limited to make more sweeping claims about general climate trends.

Global Climate Change and What We're Seeing in New Hampshire

One thought-provoking visualization that depicts how global temperatures are rising was released by NASA and shows global average temperatures using data from 1880-2022. This incorporates significantly more data than the hardiness zone map and is a stark illustration of how climate change is affecting temperatures over a long period of time and on a global scale. Here's a link to that graph. For a more in-depth look at how climate change is affecting New Hampshire specifically, we recommend reading the NOAA National Centers for Environmental Information 2022 State Climate Summary. This report provides a comprehensive picture of how temperatures and annual precipitation have been increasing over the past century in our state.

Credit Sean O'Brien

MANAGING MUD: STRATEGIES FOR RECLAIMING DISTURBED AREAS

Hoof damage from livestock during the winter months can result in almost complete disturbance of desired vegetation and soil structure in and around heavy use areas. Even well-designed hay feeding pads will have significant damage at the edges where animals enter and leave. Highly disturbed areas create perfect growing conditions for summer annual weeds like spiny pigweed and cocklebur. Weed growth is stimulated by lack of competition from a healthy and vigorous sod and the high fertility from the concentrated area of dung, urine, and rotting hay. The objective of this article is to describe two approaches to revegetating these areas.



Regardless of the reclamation strategy that is employed, it is important to create an environment that will allow seeds to germinate quickly and uniformly, resulting in rapid canopy closure. This will help to inhibit weed seeds from germinating. Creating this environment starts with making sure that soil fertility is in the medium to high range, soil pH is 6.0 to 6.4, and preparing a fine, but firm, seedbed.

Plant cool-season grasses and legumes.

The first strategy is to seed cool-season grasses or a mixture of grasses and legumes in the spring. While this is commonly done, results are usually less than spectacular in most years. Seedings are normally delayed until late spring or early summer. Consequently, seedlings do not have time before the hot summer months set in. The second reason is that summer annual weed pressure is usually very high. Summer annuals weeds like foxtail, goosegrass, spiny pigweed, cocklebur, and others actively compete with cool-season seedlings for light and water, often causing stand failures.

If a spring planting of cool-season grasses and legumes is attempted, there are several things that can be done to enhance, but by no means guarantee, success. These are listed below.

- Plant adapted forage species. Plant forages that are well adapted to Kentucky and the soils and drainage found on your farm. Tall fescue, red clover, and ladino clover are, by far, the best adapted and most versatile forage species for pastures in the Commonwealth. If this area is disturbed again, then investment in novel endophyte tall fescue varieties is not recommended. Information on the best adapted varieties for Kentucky can be found on the University of Kentucky Forages webpage.
- Consider leaving legumes out of the mix. While legumes are an important part of grassland ecosystems, herbicide options for controlling weeds in grass-legume mixtures are limited. Leaving legumes out will allow you to apply selective herbicides to control broadleaf summer annual weeds. For specific herbicide recommendation, you can visit with your local Extension Agent.
- Use the high end of the recommended seeding rate. Seeding rates are normally given as a range (Table 1). For spring seedings, make sure and use the high end of this range. Rapid canopy closure is critical to suppressing summer annual weeds.
- Plant as early as possible. Spring seeded cool-season forages should be planted starting in early to mid-March. Early plantings will have more time to emerge and form a canopy that can shade summer annuals weeds. Early planted grass seedlings will also have additional time to develop a root system that can sustain the new planting during the summer months.

Continued on next page

- Plant in two directions. If drilling, cut seeding rates in half and plant in two directions. This will aid in obtaining quicker canopy closure, helping to reduce the germination of weed seeds.
- Use a shallow seeding depth. Small seeded cool-season forages should not be planted deeper than ½ inch. Make sure to check and recheck your seeding depth. Seeding deeper than ½ inch will delay emergence, result in uneven stands, and in many cases cause complete stand failure.
- Control broadleaf weeds in cool-season grasses. Once seedlings have four collared leaves, some herbicides can be applied. Always consult and follow label directions. For the most up to date information on using herbicides on new seedings, contact your local Extension Agent.
- Clip or flash graze new stands. Summer annual weeds compete very aggressively for light, water, and nutrients with cool-season grass seedlings. If not controlled, plantings will likely fail. The most effective control of competition is to flash graze paddocks before weeds get well established. Flash grazing is accomplished by placing a large number of animals in small areas for a short period of time. This reduces selective grazing and increases grazing uniformity.

Table 1. Seeding rates for perennial cool-season forage species planted ALONE or in a MIXTURE.

| Species | Seeding Rate (lb/A) | |
|----------------------------|---------------------|--------------|
| | Alone | In a Mixture |
| Tall fescue | 20-25 | 10-15 |
| Orchardgrass | 15-20 | 6-8 |
| Perennial Ryegrass | 20-25 | 10 |
| Kentucky Bluegrass | NR [†] | 4-6 |
| Red clover ^{††} | NR | 6-8 |
| White clover ^{††} | NR | 1-2 |

[†]NR, not recommended

^{††}Do NOT include red and white clover if herbicides will be used to control broadleaf weeds.

Plant warm-season annual grasses

The second strategy involves planting a summer annual grass in late spring or early summer. This strategy has a much higher probability of success than planting cool season grasses in late spring. Summer annual grasses, especially sorghum-sudangrass or sudangrass, have very rapid emergence and canopy closure. This will prevent summer annuals weeds from germinating and provide forage for grazing or harvesting during the summer months (Figure 2). Perennial cool-season grasses can then be reseeded under more ideal conditions in late summer or early fall.

The following tips will help to enhance your chances of success when using warm season annual grasses.

- Plant adapted summer annuals species. Always plant forages that are well adapted to Kentucky and the soils and conditions on your farm. Summer annuals that can be used to reclaim hay feeding areas include sudangrass, sorghum-sudangrass, pearl millet, and crabgrass. A description of these species can be found in AGR-229, Warm Season Annual Grasses in Kentucky.
- Use the high end of the seeding rate. Seeding rates are normally given as a range. (Table 2). Make sure and use the high end of this range. Even with summer annuals, rapid canopy closure is critical for reducing unwanted weed competition.
- Plant after soil warms. For summer annual grasses to germinate and rapidly emerge, soil temperatures at planting should be at least 60 degrees F. This should allow plenty of time to let hay feeding areas dry out and to get them smoothed up prior to planting. If there is a delay in planting the summer annuals after final tillage, it may be a good idea to do one more pass of light tillage to disturb any weed seedlings that may have germinated.

Continued on next page

- Control broadleaf weeds. Once warm-season annual grasses are established, some herbicides can be applied to control summer annual broadleaf weeds. If cool-season perennials are to follow in the fall, make sure and check the label for reseeding restrictions prior to application. Always consult and follow label directions. For more information on using herbicides on summer annual grasses, contact your local extension agent.
- Grazing summer annual grasses. Allow taller growing summer annuals like sorghum-sudangrass and pearl millet to reach a height of 18-24 inches before grazing and stop grazing at 8-10 inches. Regrowth can be stimulated by applying 40-60 lb N/A after each grazing but the last. Crabgrass can be grazed once it reaches a height of 6 to 8 inches. Cattle should be pulled off once it has been grazed to a height of 3 to 4 inches. Detailed management recommendations on for individual summer annual species can be found in AGR-229, Warm Season Annual Grasses in Kentucky.
- Haying summer annual grasses. Allow taller growing summer annuals to reach a height of 30 to 40 inches before mowing. This will optimize yield and forage quality. If regrowth is desired, do not mow closer than 6 inches. Apply 40 to 60 lb N/A after each cutting, but the last. Crabgrass should be cut for hay at the late boot-stage. Care should be taken to not mow crabgrass closer than 3 to 4 inches. With the taller, thicker stemmed species, a crimping mower-conditioner will help the crop dry to safe baling moistures, although this may take some time. Ideally, summer annuals should be conserved as chopped silage or baleage.
- Reseeding cool-season grasses in the fall. Pastures with summer annuals should be sprayed with a non-selective herbicide in late summer to control any remaining summer annual grass and any weeds that have germinated. Use a no-till drill to plant cool-season grasses into the killed pasture area. More information on forage establishment



HUNTERS EDUCATION COURSE

Cooperative Extension Service

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40 YEARS
FISH & WILDLIFE RESOURCES

**THIS TRAINING COURSE INCLUDES
EDUCATION AND RANGE PRACTICE ALL IN
ONE EVENT!**

SPACE IS LIMITED!

MUST SCAN TO REGISTER!!

**MARCH 2ND
8:00 AM - 5:00 PM**

OWEN COUNTY COOPERATIVE EXTENSION 265 ELLIS ROAD OWENTON, KY 40359

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

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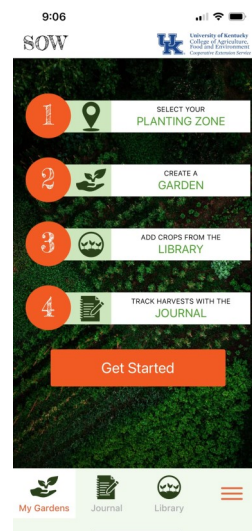
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Leavening, KY 40306

Individuals with disabilities are encouraged to contact the Extension office for accommodations.

Did you know there was an Extension-created app for all your garden planning needs?

SOW is a free app based on the University of Kentucky Cooperative Extension’s publication “Home Vegetable Gardening in Kentucky.” The app has three main sections: My Garden, Journal, and Library. The library currently has information and photos of about 36 popular home garden vegetables. You may sort the vegetables alphabetically, by harvest date or by planting date. Clicking on a vegetable in the library will open information about that vegetable, including estimated days to harvest, expected yield, plant spacing, planting depth, soil pH range and average number of plants per person you need to include for a good harvest.



Download the app today and get



2024 EASTERN KENTUCKY FARMER CONFERENCE

February 16-17 in Morehead, KY

REGISTRATION IS \$45

<https://tinyurl.com/2024EKFC>



FRIDAY, FEBRUARY 16



Day 1: Friday, February 16

| | | | |
|----------------|--|---|--|
| 12:30 pm | Registration Opens | | |
| 1:00 – 2:30 pm | KY Farming Resources Track KCARD, KDA, KSU, CFA, FSA, Grow Appalachia, The Food Connection, NRCS, Mountain Association, Amy Holbrook, Roaring Shoals Wilder Farm | Small Ruminant Track Patrick Angel, Angel Acres Farm Lester Brashear, Brashear Heritage Farm Dr Jessie Lay, KSU Dr Ken Andries, Morehead St. Dr. Flint Harrellson, Morehead St. | Agroforestry Track David Cooke, Grow Appalachia Storey Stone, Grow Appalachia |
| 2:30 – 2:45 pm | Break | | |
| 2:45 – 4:15 pm | KY Farming Resources Track Continued | Small Ruminant Track Continued | Agroforestry Track Continued |
| 4:15 – 6:00 pm | Veteran Meetup Spencer Guinn, KCARD | Grower-Buyer Meetup Heather Graham, The Food Connection | Resource Provider Networking |
| 6:00 -7:00 pm | Dinner, Awards, and Keynote Keynote Speaker: Candace Mullins, Grow Appalachia | | |
| 7:00 – 9:00 | Networking and Entertainment | | |



2024 EASTERN KENTUCKY FARMER CONFERENCE

February 16-17 in Morehead, KY



SATURDAY, FEBRUARY 17

REGISTRATION IS \$45

<https://tinyurl.com/2024EKFC>



Day 2: Saturday, February 17

| | | | |
|-------------------|---|--|--|
| 8:00 – 9:00 am | Breakfast and Registration Opens Speaker: Kimmie Ishmael, CFA | | |
| 9:00 – 10:15 am | Managing Stream Issues and Climate Resilient Farm Design Lee Moser, UK | Commercial Sales: What You Need to Know Joni Nelson, KSU | High Tunnels for New and Prospective Growers Storey Stone, Grow Appalachia Andee & Lindsey Stevens, Happy Hens Homestead |
| 10:45am - 12:00pm | Success and Challenges with Poultry Sugarloaf Mountain Processing Mac Stone, Elmwood Stock Farm | Marketing Cut Flowers and Ornamentals Alexis Sheffield, UK and Wild Roots Flower Farm | Efficient Fruit & Veggie Production Panel Jeff Howard, The Howard Farm Robert Doyle, Doyle/Botts Farm Maggie Wilder, Wolf Gap Gardens Mike Eldridge, Rocket Farm Tim Breeding, Rocket Farm Facilitator: Chris McKenzie, Grow Appalachia |
| 12:00 – 1:15pm | Lunch Speaker: Cowan BaeNaChi | | |
| 1:15 – 2:15pm | Troubleshooting Bees/Hive Health Larry Young | Intersection of Arts and Agriculture at Farmers Markets Amy Richardson, CFA and Forgotten Foods Farm | Berries and Orchard Threats Johnathon Larson, UK |
| 2:45 – 3:45 pm | Wildlife Management and Fencing Wes Mattox, KY Dept. of Fish & Wildlife Will Bowling, Old Homeplace Farm | Marketing your Farm Business Panel Amy Holbrook, Roaring Shoals Jann Knappage, Fox and Hen Farm Maggie Bowling, Old Homeplace Farm | Equipped for Success - Production Systems for Efficient High Tunnels Facilitator: Chris McKenzie, Grow Appalachia |
| 4:00 – 5:00 pm | Mushroom Growing 101 Jack Stickney, Woodland Shrooms | Farm/Family Financial Management | Seed Farming: Climate Resilience & Regional Varieties |

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.



The Owen Co. Conservation District is offering a Local Cost Share Program to any farmer who needs assistance with Pasture Liming, Livestock Watering Facilities, Heavy Use Area, or Pasture Renovation. If you are interested in applying for any of these practices you may complete an application at the District's office at 205 West Perry St, between hours of 8-4:30. Applications will be accepted March 1st through March 15th.

BEGINNER BEEKEEPING PROGRAM



February 15, 2024

Carroll County
 Extension Office

11 am

Please RSVP by
 February 12, 2024

502-732-7030



Bull Selection Testing Evaluation Genetics Series

March 14th 6pm

Bull Selection, Examination, & Testing

March 15th 5:30pm

Guide to EPD's & Genomic Testing

March 23rd 8-12pm

Breeding Soundness Exams
 By Appointment Only



United Producers, Inc.
 86 Bramblett Ln,
 Owenton KY 40359

To RSVP & Book A BSE Appointment Please Call
 502-484-5703

Discounted Price On BSE For Participants Who Attend Both Education Classes

Appointments must be scheduled & have limited availability
 Please RSVP for the meal on the 14th

OWEN COUNTY FFA'S

Farmer Appreciation Breakfast



All Owen County Farmers and others involved in the OC Agriculture Industry are welcome to a **FREE** pancake breakfast served by FFA members!

RSVP by February 12, 2024

jacklyn.bond@owen.kyschools.us
or
rebecca.hawk@owen.kyschools.us



7:00 AM-11:00 AM @ OWEN COUNTY
EXTENSION OFFICE ON FEBRUARY 19, 2024



Logger WebTV

FEBRUARY 27, 2024

KY COUNTY EXTENSION OFFICES
9 a.m. - 4 p.m. EST

Hosted at the following Extension Offices:
Boone, Breathitt, Breckinridge, Casey, Crittenden, Cumberland, Elliott, Fleming, Graves, Grayson, Hancock, Harlan, Henderson, Jefferson, Letcher, Logan, Madison, Martin, Morgan, Nelson, Ohio, Owen, Perry, Russell, Taylor and Whitley counties

\$50 course fee and, if required, \$25 renewal fee

INFO: Beth Williams, 859-257-6230

2024 Horses & Horsemen:

Join us for the 17th annual

PASTURES PLEASE!!

Tuesday, March 5

Schedule:

- 5:30—Meal
- 6:00—How to Rescue a Pasture for Short Term Use, Dr. Jimmy Henning
- 6:30—Selecting Herbicides for Targeted Weed Control, Dr. Bill Witt
- 7:00—Not Just Triple 19 – Fertilizing Pastures Based on Need, Keenan Bishop



Scan QR code to RSVP



or go to
tinyurl.com/pasturesplease24

Scott County Extension Office

1130 Cincinnati Rd
Georgetown, KY 40324
502-863-0984

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UNIVERSITY OF KENTUCKY TURFGRASS SCIENCE PROGRAM & KENTUCKY HORTICULTURE COUNCIL INVITE YOU TO ATTEND THE

47th Annual Turf & Landscape Management Short Course

Feb. 20-22, 2024

Hardin County Extension Center
Elizabethtown, KY



TUESDAY

Pesticide Certification Course & Exam

WEDNESDAY & THURSDAY

Concurrent sessions:

- Commercial Lawn & Landscape
- Golf
- Sports Turf

\$55 registration fee if registered before Feb. 16

Scan to register



Full program and conference details:

<https://kyhortcouncil.org/2024-ky-turf-landscape-management-conference/>

Questions: info@kyhortcouncil.org

Brunch & Learn
 Every 3rd Wednesday
 Morning Except
 July & January

Topic: EID Tag Update

Wednesday, February 21st
8:30-9:30 am
Before The Sale



United
Producers, Inc.
 86 Bramblett Lane
 Owenton, KY 40359
 502.484.5703

KENTUCKY
 COOPERATIVE EXTENSION

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 University of Kentucky, Kentucky State University, U.S. Department of Agriculture, and Kentucky Counties, Cooperating.
 Lexington, KY 40506



Private Pesticide Applicator Training



! Do you purchase restricted use pesticides? If so, mark your calendar for one of the upcoming trainings. **MUST RSVP. Call 502.484.5703**

| | |
|--------------------|-------------|
| February 23 | 2 PM |
| February 29 | 9 AM |

KENTUCKY
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 4-H Youth Development
 Community and Economic Development

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 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, marital status, gender identity, gender expression, pregnancy, marital status, genetic information, age, veteran status, physical or mental disability or receipt of public benefits. Reasonable 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, U.S. Department of Agriculture, and Kentucky Counties, Cooperating.
 Lexington, KY 40506



Don't Forget To Test Your Soil



Analyzing your horse's hay

Program by: Dr. Coleman

February 22, 2024

6:00 p.m.

Please RSVP by February 20, 2024

Call 502-732-7030

OR

502-484-5703

Owen County Extension Office
265 Ellis Rd. Owenton, KY 40359

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.

SHARED USE EQUIPMENT

EXTENSION OFFICE



Battery Powered Fence Staple Gun

Available For 1 Week

\$150 Refundable Deposit

Staples Available For Purchase



Soil Probe

Available For 2 Weeks

6 Free Samples A Year

Electric 4-8 Comb, Honey Extractor, Electric Knife, & Bucket

Available For 1 Week

\$150 Refundable Deposit

Hay Probe

Available For 2 Weeks

6 Free Basic Samples A Year



Digital Moisture & Temperature Probe

Available for 2 Week

Soil Compaction Meter

Available For 2 Weeks

SOUTHERN STATES

7' & 10' Great Plains Seed Drill

\$100 per day.

Saturday & Sunday count as a day.



Lime Buggy

\$100 per day, \$60 1/2 day.

Saturday & Sunday count as a day.

-Lime \$25 per ton @ the store.

-Or order your own lime from the quarry.

Fertilizer Buggies:

\$25 per load or up to 4 hours.

\$50 pickup fee if buggy kept over 4 hours.



300g Sprayer

\$100 per day.

-Customer must purchase tank cleaner and clean the sprayer before and after use.



Anderson and H & S Wrappers In Line Wrappers

\$100 per day.

- Customer provides his own plastic.



OK Corral/Chute

\$100 per day.



THIRD THURSDAY THING

ORGANIC AGRICULTURE

February 15, 2024
10 a.m. EST

Harold R. Benson Research and Demonstration Farm
1525 Mills Lane Frankfort, KY 40601



This institution is an equal opportunity provider.

BEEF CATTLE WORKSHOP

March 27, 2023, at 6 P.M. ET
Topic: Reproductive Management and Marketing Your Livestock



Join us in person: Bluegrass Stockyards, Lexington, KY
Watch online: [YouTube.com/kysuag](https://www.youtube.com/kysuag)
This institution is an equal opportunity provider.



MOBILE PROCESSING UNIT TRAINING

This training is required to use the KSU Mobile Processing Unit. The MPU can be used to process chickens, rabbits, some aquaculture species and other non-amenable species.

May 17, 2024
9 a.m. - 5 p.m.
Harold R. Benson Research and Demonstration Farm
1525 Mills Lane
Frankfort, KY 40601

Cost: \$75



REGISTER TO STEVE SKELTON
(STEVEN.SKELTON@KYSU.EDU, 502.597.6103) OR MEGAN GOINS
(MEGAN.GOINS@KYSU.EDU, 502-597.6528)

This institution is an equal opportunity provider.

REGENERATING APPALACHIA SUSTAINABLE AGRICULTURE AND THE CHANGING CLIMATE.



Join us at Ky State University for Regenerate Appalachia, a groundbreaking and free conference dedicated to addressing the unique needs of underserved producers in the Appalachian region as they navigate the challenges posed by a changing climate.

Location: The Harold Benson Research Farm at Ky State University in Frankfort, Kentucky.

March 22 | 8:00 am - 5:00 pm



NATIONAL CENTER FOR APPROPRIATE TECHNOLOGY



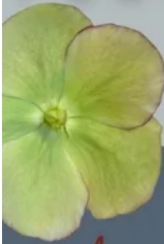
REGENERATIVE FLOWER FARMING

SATURDAY
MARCH 2ND 2024

FROM MICROBES TO MONEY:
A DEEP DIVE INTO REGENERATIVE
& SUSTAINABLE FLOWER FARMING

FRANKFORT, KY

HAROLD R. BENSON RESEARCH AND DEMONSTRATION FARM
KENTUCKY STATE UNIVERSITY



host **JENNIE LOVE**
of LOVE'N FRESH FLOWERS & THE NO-TILL FLOWER
PODCAST



Save The Date!

Ag Funding Workshop

April 4th 6:30pm

Owen Co Extension Office

Must RSVP for meal
502-484-5703



Feb 14-17th

9am-5pm

KY Expo Center
937 Phillips Ln
Louisville, KY

Parking \$12

FROGS &
SNAKES &
TURTLES...OH MY!

REPTILES & AMPHIBIANS IN YOUR ENVIRONMENT

TUESDAY, MARCH 5, 6 PM
SHELBY COUNTY EXTENSION OFFICE
CALL 633-4593 TO RESERVE YOUR SEAT

Learn about how reptiles and amphibians contribute to the ecological health of our environment and about conservation and management of aquatic and semi-aquatic animals. (Live animals will be part of the presentation).

Cooperative
Extension Service

MARTIN-GATTON COLLEGE OF AGRICULTURE, FOOD AND ENVIRONMENT

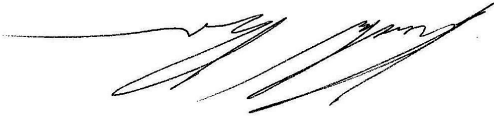


UK Martin-Gatton
College of Agriculture,
Food and Environment

February 2024

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|---|--|---|--|---|---|
| | | | | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 Third Thursday Thing 10 AM Harold R. Benson Research & Demonstration Farm Beginner Beekeeping Program 11AM Carroll County Extension Office | 16 | 17 |
| | | | ← National Farm Machinery Show → KY Expo Center | | | |
| 18 | 19 Farmer Appreciation Breakfast 7AM-11AM Owen County Extension Office | 20 | 21 Brunch & Learn: EID Tag Update 8:30 AM UPI | 22 Analyzing your Horses' Hay 6 PM Owen County Extension | 23 Private Pesticide Applicator Training 2 PM Owen County Extension Office | 24 |
| | | ← 47th Annual Turf & Landscape Management → Hardin County Extension Center | | | | |
| 25 | 26 | 27 Logger WebTV 9AM-4PM KY County Extension Offices | 28 | 29 Private Pesticide Applicator Training 9 AM Owen County Extension Office | 1 | 2 Hunters Education 8AM-5PM Owen County Extension Office Regenerative Flower Farming Harold R. Benson & Demonstration Farm |

Kendal Bowman



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OWENTON, KY
PERMIT #59

Owen County
265 Ellis Hwy
Owenton, KY 40359

Owen County Cooperative Extension Service

University of Kentucky

College of Agriculture,
Food and Environment

Martin-Gatton



Blue Cheese Potato Salad

3 pounds new potatoes, sliced

1 teaspoon salt

½ cup sliced green onions

1 8-ounce container plain Greek yogurt

½ teaspoon freshly ground pepper

½ cup light blue cheese dressing

½ cup crumbled blue cheese

Place potatoes and salt in a large saucepan and bring to a boil. **Reduce** heat and simmer 7-12 minutes, until potatoes are tender. **Drain** and **cool**. In a large bowl, **stir** together the green onions, yogurt, pepper, blue cheese dressing and blue cheese crumbles. **Add** potatoes and gently

stir to coat. **Chill** for several hours and **serve**.

Yield: 8, ½ cup servings

Nutritional Analysis: 220 calories, 5 g fat, 2.5 g saturated fat, 20 mg cholesterol, 550 mg sodium, 33 g carbohydrate, 4 g fiber, 3 g sugars, 10 g protein.

