

»»» MARCH 2024 «««

# AGRICULTURE NEWSLETTER

Pulaski County Extension Office



## TOP NEWS OF THE MONTH

### PRIVATE PESTICIDE TRAINING

#### »»» LAST TWO TRAININGS:

March 6th: 9 AM- Extension Office

March 13th: 9 AM- Extension Office

\*\*Be sure to RSVP at (606) 679-631

#### 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.



# LIVING ON A FEW ACRES

March 16th  
9 am - 12 noon

Woodstock Community Center  
Call: 606-679-6361 to RSVP

## Classes to Include:

- I bought a farm now what? USDA Update
- Soils for success
- Sheep & Goat Production
- Back yard poultry & rabbits 101
- Introduction to bee keeping
- Growing mushrooms logs
- Vegetables & Season Extension





# Cow-Calf Profitability Conference

Cow-Calf Profitability Conferences are one day, intensive seminars focusing on key topics for beef producers. Conferences are funded by the Kentucky Agricultural Development Fund through the Kentucky Beef Network and delivered by UK Agricultural Economics' Kenny Burdine, Greg Halich and Jonathan Shepherd.

Thursday,  
March 14, 2024

9:00 am – 4:00 pm

Madison County  
Extension Office  
230 Duncannon Lane  
Richmond, KY 40475



## Topics

- Key Profit Drivers
- Managing Hay Production Costs
- Breeding Stock Depreciation
- Reducing Fertilizer Use
- Keys to Cow Herd Management
- Tax Management Strategies
- Bale Grazing & Stocking Rates

Call  
859-623-4072  
to RSVP

Doors open at  
8:00 AM

Sponsored Lunch  
provided by



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



## Cooperative Extension Service

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# **GRASSLANDS PARTNERSHIP PROJECT**

The Pulaski County Cooperative Extension Service has been selected among a dozen counties in Kentucky to participate in a USDA funded, multi-state project referred to as the "Grasslands Partnership". The goal of this project is to implement and demonstrate climate smart practices that improve grasslands management and, in turn, improve farm productivity, profits, and access to future markets that may expect enhanced environmental benefits.

This project is focused on documenting the impact of six grassland management practices on soil carbon storage, input costs, profitability, productivity, and, for some practices, responses of grassland birds and pollinators. Participants are required to install at least three of the designated practices and required to maintain them for a 5-year period. Support will be provided to implement practices.

During the 5-year period, participants will allow researchers access to their farms to collect data on the impacts made as a results of the practices. Participants will also be required to maintain detailed grazing management, fertilizer, herbicide, and seeding records. One or more field days will also be held on each participating farm.

The six grassland management practices included in this program are as follows:

**Perennial Native Grasses-** Participants will establish a minimum of 5 and up to 25 acres of big bluestem/ Indiangrass/little bluestem seed mix or switchgrass. Proper grazing management practices will be applied.

**Perennial Grass/Forb Buffers-** Participants will establish 60 feet wide buffers (2-10 acres total) around row crop fields to reduce runoff and encourage habitat for birds and pollinators.



**Alternative N Sources-** Participants will establish and maintain 5-30 acres of legumes. No nitrogen may be applied during the 5-year period. Acres enrolled will include grazing management practices. Improved Grazing Management- Participants will implement improved grazing practices on 10 to 30 acres. Managed grazing heights will be implemented and grazing will begin when enrolled field reaches 10 inches and livestock will be removed when residue reaches 4 inches.

**Silvopasture-** Participants will establish 2-10 acres of silvopasture. Silvopasture, a sustainable agroforestry practice, involves the intentional integration of forage, trees, and livestock. Silvopastures offer potential for numerous environmental, economic, and social benefits, including improved soil health, increased biodiversity, enhanced livestock responses, and diversified income streams for farmers.

**Novel Soil Amendments-** Participants will apply biochar or gypsum, to slow soil N transformations and losses from the soil and increase rates of carbon sequestration. Measurements will be collected on forage productivity and nutritive value, as well as carbon sequestration and the mitigation of greenhouse gases in grasslands.

Of the above listed six practices, a minimum of three practices must be implemented by the participant. In addition, the participant must have a field that undergoes their normal management.

In other words, "business as usual". Data will be collected from this field to further document improvement made from the practices implemented.

If you would like to know more about the Grasslands Project, contact the Pulaski County Cooperative Extension Service at 606-679-6361.

# XTENDIMAX, ENGENIA AND TAVIUM

The United States District Court of Arizona vacated the 2020 Xtendimax, Engenia, and Tavium labels for use in dicamba-resistant soybean on Feb. 6, 2024. This order left the availability of the three products for the 2024 season in limbo for approximately a week. On Feb. 14, 2024 the EPA responded to the court ruling with an Existing Stocks Order allowing the sale and distribution of existing stocks of Xtendimax, Engenia, and Tavium. What does this all mean for the 2024 growing season and the use of these products? The following information is my interpretation of the EPA Existing Stocks Order and how it may affect Kentucky soybean growers in 2024. If you are in doubt about how to use a product in 2024 or how this order affects you, please refer to the EPA order or the products label, website, or representative. You can find the official EPA Existing Stocks Order at this link:

[https://www.epa.gov/system/files/documents/2024-02/dicamba-notice-existing-stocksorder\\_02142024.pdf](https://www.epa.gov/system/files/documents/2024-02/dicamba-notice-existing-stocksorder_02142024.pdf)

The order indicates that the sale and distribution of Xtendimax, Engenia, and Tavium will be allowed by persons other than the registrants until May 31, 2024 in Kentucky. "Persons other than registrants" would include co-ops, local dealers, and commercial distributors. Only product that was in possession of the "other persons" on or before the February 6 court ruling can be sold or distributed. While a majority of products were already in possession of these "other persons" or "in the channel", not all product was at this stage on February 6 and thus a full supply availability is highly unlikely to occur.

Furthermore, the order allows for the use or application of these three products by both private and commercial applicators in dicamba-resistant soybean fields until June 30, 2024 in Kentucky. This date aligns with the already established cutoff date for Kentucky.

**Lastly, and most importantly:** ALL APPLICATIONS OF XTENDIMAX, ENGENIA, AND TAVIUM MUST STILL FOLLOW THE RESTRICTIONS IMPLEMENTED ON THE MOST RECENT LABELS INCLUDING THE MANDATORY ANNUAL TRAINING.



## Frequently asked questions and scenarios are described below:

- Will there be a shortage of Xtendimax, Engenia, or Tavium? Yes, there will be less supply available in 2024 than will be needed for Kentucky soybean acres. As mentioned above a large majority of Xtendimax, Engenia, and Tavium was likely already in the channel on February 6. Though there certainly was supply of these products that had not reached the “other persons” by that date and thus a shortage is very likely. Farmers and applicators should make plans now for the potential of a shortage. See the below comments on potential alternatives.

- Can a custom applicator still apply Xtendimax, Engenia, or Tavium to a farmer’s dicamba-resistant soybean field? Commercial applicators will be allowed to apply Xtendimax, Engenia, or Tavium to a farmer’s dicamba-resistant soybean field until June 30, 2024 in Kentucky. Commercial applicators can apply product that was within their possession or that was in the channel prior to the February 6th ruling.

- Can a farmer spray Xtendimax, Engenia, or Tavium that they have already purchased to their dicamba-resistant soybean fields: Yes, a farmer can apply any product in their possession prior to Feb 6, 2024 to their dicamba-resistant soybean fields until June 30, 2024.

- Can a farmer still buy Xtendimax, Engenia, or Tavium to spray on their dicamba-resistant soybean fields: Yes, a farmer can still buy these products from co-ops, dealers, or distributors who were in possession of the product prior to February 6, 2024. The farmer must purchase the product by May 31, 2024 and apply it prior to June 30, 2024. I would encourage farmers to make these purchases sooner rather than later due to the potential shortage; it is very likely product will no longer be available by the May 31 purchase cutoff.

- It is June 15, 2024 and a farmer who is applying product to their own acres realizes they do not have enough Xtendimax, Engenia, or Tavium for all of their dicamba-resistant soybean acres. Will they be able to buy more to use on the remaining acreage? No. Sales and distribution of Xtendimax, Engenia, and Tavium will conclude on May 31, 2024. In this scenario, the farmer has two options: 1. Hire a custom applicator that has extra Xtendimax, Engenia, or Tavium on hand to apply to the remaining acres, or 2. Seek alternative herbicides for weed control in those fields. See the next question and Tables 1 and 2 for alternative herbicides.

- A farmer is worried they will not be able to get enough Xtendimax, Engenia, or Tavium to use on their dicamba-resistant soybean fields. Will they be allowed to use other dicamba formulations on dicamba resistant soybean? No! Only Xtendimax, Engenia, and Tavium are allowed for use on dicamba-resistant soybean. If you are concerned about not having enough dicamba for your dicamba resistant soybean fields I would encourage you to seek alternative postemergence herbicide options in those systems, such as glufosinate. Additionally, you should consider which fields would benefit the most from dicamba and/or glufosinate applications based on weed spectrum. Our research has shown that the use of dicamba and glufosinate in these soybean systems is most valuable on fields with waterhemp or Palmer amaranth infestations, while alternative products can be used on fields without these problematic weeds. See Table 1 and 2 for more information. Additional product information weed control efficacy tables can also be found in AGR-6 (<https://www2.ca.uky.edu/agcomm/pubs/agr/agr6/agr6.pdf>)

-Is the annual training to apply Xtendimax, Engenia, or Tavium still required in 2024? Yes.

-Does this affect other dicamba formulations or generic dicamba products? No, the vacatur and Existing Stocks Order only applies to Xtendimax, Engenia, and Tavium. All other dicamba products that are labeled for use in corn, pastures, and other crops are not affected by these rulings and orders.

-Can a generic dicamba formulation be applied for spring burndown prior to dicamba-resistant soybean planting? Yes, BUT you must wait for the labeled replant interval which is typically 30 days and 1 inch of rain. If you wish to plant immediately after burndown you must use Xtendimax, Engenia, or Tavium.

-Will we have Xtendimax, Engenia, or Tavium for use in 2025 and beyond? The current Existing Stocks Order only applies to the 2024 soybean growing season. It is still to be determined what will happen in future years as the registrants and EPA assess their next steps with these three products.





# Six easy steps for Clover Frost Seeding

Conduct soil analysis and apply necessary nutrients.

Manage competition the following spring to improve establishment.

Choose a high-quality variety.


Utilizing a corrugated roller post-seeding can help achieve optimal seed-soil contact.

Apply an adequate quantity of seed.

Ensure seed contact with bare soil.

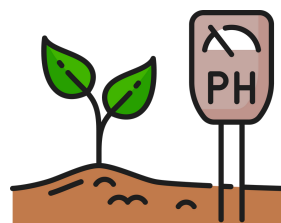
*Source: Jimmy Henning, plant and soil science professor  
An Equal Opportunity Organization.*

**Frost seeding is surface seed placement in late winter or early spring. It works best on species that germinate rapidly like white or red clover. With Kentucky's unpredictable weather conditions, consider these six steps to maximize your pasture success with clover frost seeding**



**DID YOU KNOW?**

You can receive 25 free soil test a year? All you have to do is be a Pulaski County Resident! See us for bags and use of a soil probe. We are here to help.





# KENTUCKY COOPERATIVE EXTENSION



UK MARTIN-GATTON COLLEGE OF AGRICULTURE, FOOD AND ENVIRONMENT  
KSU COLLEGE OF AGRICULTURE, COMMUNITY AND THE SCIENCES

Pulaski County Extension Office  
P.O. Box 720  
Somerset, KY 42502  
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This institution is an equal opportunity provider. This material was funded by USDA's Supplemental Nutrition Assistance Program – SNAP.

## Venison Steak

- 2 pounds round venison steak
- ½ cup flour
- ¾ teaspoon salt
- 1 teaspoon pepper
- ½ teaspoon garlic powder
- 2 tablespoons vegetable oil
- 4 ounces fresh mushrooms, if desired
- 3 carrots, diced
- 1 small onion, sliced
- 1 cup low-sodium beef broth

Cut steak into eight 4-ounce servings. Mix flour, salt, pepper, and garlic powder and coat steak with flour mixture. Brown in oil on each side. Layer steak in slow cooker. Add mushrooms, carrots, and onion. Pour beef broth over steak. Cover and cook on low 8 to 10 hours.

**Variation:** Rabbit or squirrel can be substituted for venison.

**Yield:** 8 servings

Adapted from Venison Recipe Collection, Compiled by Becky Nash, Extension Agent for Family and Consumer Sciences

## Nutrition Facts

8 servings per container  
**Serving size 4 ounces (218g)**

**Amount per serving**  
**Calories 220**

	% Daily Value*
<b>Total Fat</b> 7g	<b>9%</b>
Saturated Fat 1.5g	<b>8%</b>
Trans Fat 0g	
<b>Cholesterol</b> 95mg	<b>32%</b>
<b>Sodium</b> 310mg	<b>13%</b>
<b>Total Carbohydrate</b> 11g	<b>4%</b>
Dietary Fiber 2g	<b>7%</b>
Total Sugars 3g	
Includes 0g Added Sugars	<b>0%</b>
<b>Protein</b> 28g	
Vitamin D 4mcg	20%
Calcium 23mg	2%
Iron 4mg	20%
Potassium 538mg	10%

\* The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.