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Pendleton County



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An Agricultural Newsletter

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Hello Agrarians,

2022 was an incredible year! We built our new Farmers' Market pavilion and the market is a thriving hub for community and farm marketing; I graduated from the Kentucky Agricultural Leadership with a clear personal mission to "keep farmers farming and keep families fed"; and we helped out our neighbors in Knott County with programs like the "Bucket Brigade" & "Operation Santa's Sleigh". It was a great year and I am thankful for the many adventures we shared and the meetings along the way.

I come into 2023 renewed and on-fire for agriculture and all the opportunities that are before us! I am committed to creating solutions through action and innovative problem solving. Let us be part of your journey and a sounding board for those big farm plans.

As always, please stay in touch. I can be reached directly via my cell at 859.813.2944 via text or phone calls.

Also, if you'd like to receive weekly/bi-weekly emails for timely information, call the office to update your email.

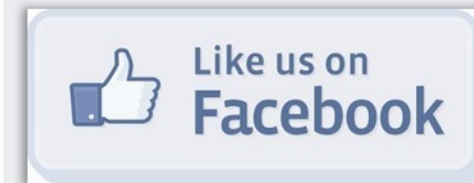
Don't forget to Like and Follow us on Facebook (@pencoagext), there are often short notice programs and important announcements, along with community wide news shared quickly. You can also stay up to date on #whereintheworldisLindiecountyagent or #extensionagentadventures

Happy Farming and I hope to see you soon!

Lindie Huffman



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Frost Seeding Clover: A Recipe for Success

Chris D. Teutsch, S. Ray Smith, and Jimmy Henning

Legumes are an essential part of a strong and healthy grassland ecosystems. They form a symbiotic relationship with Rhizobium bacteria in which the bacteria fix nitrogen from the air into a plant available form and share it with the legume. Clover also increases forage quality and quantity and helps to manage tall fescue toxicosis. In the past, the positive impact of clover on tall fescue toxicosis has always been thought to simply be a dilution effect, but new research from the USDA's Forage Animal Production Unit in Lexington shows that compounds found in red clover can reverse vasoconstriction that is caused by the ergot alkaloids in toxic tall fescue. The primary compound found in red clover is a vasodilator called Biochanin A.

Clover stands in pastures thin overtime due to various factors and require reseeding every three to four years. There are several techniques for reintroducing clover into pastures including no-till seeding, minimum tillage, and frost seeding. Of these techniques, frost seeding requires the least amount of equipment and is the simplest to implement. Frost seeding is accomplished by broadcasting clover seed onto existing pastures or hayfields in late winter and allowing the freezing and thawing cycles to incorporate the seed into the soil. This method works best with red and white clover and annual lespedeza. It is NOT recommended for seeding grasses or alfalfa. This publication covers the important factors for successful frost seeding.

Frost Seeding Tips

- Control broadleaf weeds. Ideally, broadleaf weeds should be controlled prior to seeding legumes since most herbicides will damage clover seedlings. This is best accomplished by

controlling weeds the season prior to renovation. More information on controlling weeds in pastures and hayfields can be obtained contacting your local extension office or consulting AGR-207 Broadleaf Weeds of Kentucky Pastures.

- Soil test and adjust fertility. For clover and other improved legumes to persist and thrive in pastures, an environment conducive for their growth must be created. This starts with proper soil fertility. Prior to frost seeding clover, soil test pastures and hayfields then lime and fertilize pastures according to the soil test recommendations.
- Suppress sod and decrease residue. The existing sod must be suppressed and plant residue reduced prior to seeding. The reduction in plant residue allows seed to reach the soil surface where it can be incorporated by freezing and thawing events. Sod suppression and residue reduction is best accomplished by hard grazing in late fall and early winter.
- Ensure good soil-seed contact. Good soil-seed contact is required for seed germination and emergence. In frost seedings, this occurs when freeze and thaw cycles form cracks in the soil surface, often referred to as a honeycomb.
- Seed on proper date. Frost seeding is best accomplished in late winter or very early spring (February and early March). Frost seeding is accomplished by simply broadcasting the seed on the soil surface and allowing the freeze and thaw cycles to incorporate the seed into the soil. Success with frost seeding can be enhanced by dragging the pasture as the seed is being

(Continued on page 3)

UPCOMING AGRICULTURE EVENTS

Please call to register so you may be notified should any changes occur.

Classes with no registrations will be cancelled.

| DATE | MEETING | CAIP APPROVED |
|---|--|--|
| JAN 21 9-1 EST | KENTUCKY VIRTUAL BEEKEEPING SCHOOL VIRTUAL REGISTER BY CALLING PERRY COUNTY CES 606.436.2044 From the comfort of your home, tune in to hear from experts in the field of beekeeping. From Hive Health Sampling, to Honey Tasting, and Beginner Beekeeping, this event will go through the ins and outs of keeping bees. | YES |
| JAN 23 12:00 PM | SMALL BUSINESS SUCCESS: BY THE PC CHAMBER OF COMMERCE PENDLETON CES 45 David Pribble Drive Falmouth 859.654.3395 Join the PC Chamber of Commerce for a lunch & learn professional development networking seminar. Secretary of State Michael G. Adams will bring remarks. The event will highlight local farm and award-winning Rose Hill Farm Winery. | YES |
| JAN 24 6:30 PM | RETHINKING ON-FARM WATER PENDLETON CES 45 David Pribble Drive Falmouth 859.654.3395 Water. It is essential to any farm operation and often limiting due to farm infrastructure. Join us at the PCEO as Dr. Steve Higgins brings innovative and cost-effective methods to getting water to those hard to reach places. | YES |
| JAN 26 6:30 PM | AG CENSUS WORKSHOP VIRTUAL REGISTER BY CALLING PCEO 859.654.3395 The Ag Census is showing up in mailboxes across the country. Tune in for a walk through of how to fill out your census and learn just what that numbers mean for you in the long-run. | YES |
| JAN 30 10:00 AM or 6:30 PM | PRIVATE PESTICIDE APPLICATOR TRAINING PENDLETON CES 45 David Pribble Drive Falmouth 859.654.3395 Kentucky law requires that producers maintain and carry a Private Pesticide Applicator License for certain restricted use pesticide products. The license is valid for three years and expires on December 31 of the third year. The license allows you to purchase restricted use chemicals and train farm workers. | NO |
| FEB 15-18 https://farmmachineryshow.org/event-info/ | NATIONAL FARM MACHINERY SHOW LOUISVILLE, KY Fair and Expo Center The National Farm Machinery Show in Louisville is a spectacular showcase for agriculture that we are fortunate enough to host in the Bluegrass State. YOU DO NOT receive credit merely for attending. In order to receive CAIP ed credit you must snap two photos and text to Lindie County Agent—859.813.2944. Photo 1: seminar agenda Photo 2: selfie with you at the seminar. Visit the NFMS website to plan ahead. | YES ONLY IF SEMINAR ATTENDED see instructions ← |

broadcast or immediately after. Rolling the field with a corrugated roller after seeding will also improve success.

- Use high-quality seed and adapted varieties. Choose clover varieties that have been tested in Kentucky. The most current variety testing results can be found on the UK Forage Extension website or by visiting your local county extension office. Using the Long-Term Summary of Kentucky Forage Variety Trials, choose varieties that have performed above average (>100%) for multiple site-years. This indicates that they are well adapted to conditions found in Kentucky. Use either a certified or proprietary seed to ensure high germination, good seed genetics, and low noxious weed content. Do NOT use common or VNS (Variety Not Stated) seed since there is no way to tell how it will perform in Kentucky.
- Legume mixture for Kentucky. In Kentucky, a good mixture for renovating pastures with is 6-8 lb/A of red clover, 1-2 lb/A of ladino or intermediate white clover. On rented farms or where soil fertility is marginal, adding 10-15 lb/A of annual lespedeza can be beneficial. Annual lespedeza is a warm-season annual legume that was used extensively in the past before producers had ready access to lime and fertilizer. In general, coolseason legumes (red and white clover) will be more productive under good growing conditions.
- Use correct seeding rate. Make sure to maintain and calibrate broadcast seeding equipment prior to planting (see video on KYForages YouTube Channel on seeder calibration). Seeding at too high of a rate needlessly results in higher seed costs. On the other hand, seeding at too low a rate results in weak stands and lower productivity.
- Inoculate legume seed. Most improved clover seed comes with a lime-based seed coating that contains inoculant. Make sure that the seed is fresh and has not been stored under adverse conditions. If the seed is not pre-inoculated, inoculate it with the proper strain of nitrogen-fixing bacteria prior to seeding. This is relatively inexpensive insurance that optimum nitrogen fixation will take place.
- Check seed distribution pattern. When using a spinner type spreader/seeders make sure and check your spreading pattern. In many cases small seeded forages are not thrown as far as you think. This can result in strips of clover in your pastures rather than a uniform stand. Also check your seed distribution pattern. Single disk spinners often throw more seed to one side if not correctly adjusted.
- Use GPS guidance to maintain a consistent distance between passes and speed. It is often difficult to see where seed has already been broadcast and many ATV/UTVs do not have a functioning speedometer. Using a portable GPS unit can reduce misses and overlaps and help the operator maintain a consistent speed.
- Control post-seeding competition. Not controlling post-seeding competition is one of the most common causes of stand failures. One of the best management practices is to leave cattle on pastures that have been overseeded with clover until the clover seedlings have germinated and are tall enough that the cattle start to graze them. Then remove animals from the pasture and allow the clover to reach a height of 6-8 inches. At that time the paddock can be placed back into the rotation. If the existing vegetation is not controlled, the new clover seedlings will be shaded out.

For more information on frost seeding contact your local extension agent or visit the UK Forage Extension Website.



THE AGENT'S CORNER



2023-2024 CAIP Application Period
expected to open Oct/Nov 2023

Current Approved CAIP Producers

Paperwork & Project Deadline:
June 30, 2023 by 3:00 PM

If you have questions please call;
PC Ag Agent Lindie: 859.813.2944
or
PC CAIP Admin Greg: 859.414-4068

update

Everyday I'm BRUSSELIN



#EXTENSIONBEHINDTHESCENES
A brief look at what your agent has been up to.

From Top: 1) #lindiecountyagent presenting at the Farmers' Market Short course at the 2023 KY Fruit & Veg conference. 2) KALP Class XII on a farm wagon ride in Spain at a bull breeding operation for the cultural event of bull fighting 3) Santa's elves deliver the collected Christmas gifts to the 24 flood survivor families in Knott County.



RECIPE
of the
SEASON



Sweet & Spicy Butternut Squash

- | | | |
|---------------------------|---------------------------|----------------------------|
| 2 medium butternut squash | ¼ teaspoon kosher salt | 1 teaspoon ground cinnamon |
| 1 tablespoon olive oil | ¼ teaspoon cayenne pepper | ¼ cup honey |

Preheat oven to 450 degrees F. **Wash** squash and **pierce** the skin of each with a fork in several places. **Place** both squash in a microwave oven. **Cook** on high setting for 4-5 minutes. **Place** squash on a cutting board and **cut** ½ inch off both ends. **Cut** squash in half lengthwise and remove seeds and pulp. **Peel** off the skin using a sharp vegetable peeler. **Cut** the squash into ½ inch cubes. **Place** the squash cubes in a large mixing bowl. **Add** olive oil, kosher salt, cayenne pepper and cinnamon. **Toss** to coat.

Spread the seasoned squash cubes on a greased baking sheet. **Roast** for 40 minutes or until fork tender, **turning** after 20 minutes. **Remove** from oven and let **sit** for 5 minutes. **Warm** honey in a microwavable dish and **drizzle** over the squash.

Yield: 12, ½ cup servings

Nutritional Analysis: 60 calories, 1 g fat, 0 g saturated fat, 0 mg cholesterol, 50 mg sodium, 14 g carbohydrate, 2 g fiber, 7 g sugar, 1 g protein.

Pendleton Cattleman's Bring Home Awards from 50th Annual KCA Convention

Pendleton County had a great showing at the 2023 Kentucky Cattleman's Association Annual Meeting and Convention. KCA celebrated its 50th annual conference with a Taste of Lexington event. Nine cattle farmers from Pendleton County attended the annual gathering of like-minded farmers in Lexington, Kentucky, for two days of seminars, meetings, tradeshow, and awards. President Jimmy Roseberry received his red jacket for a 10+ membership increase for the Pendleton County Beef Cattle Association. Additionally, Klaber Wolfe was recognized and received a \$2,000 award for his winning essay in the Youth Beef Heifer Initiative. This award will help Klaber purchase his livestock animal for the 2023 show season.



As the largest cattle-producing state east of the Mississippi River, Kentucky is home to over 1.1 million beef cows and ranks 5th nationally in total number of farms. The Kentucky Cattlemen's Association, a grassroots organization with 99 chapters in 120 counties, works to protect, advance, and be a strong voice for the state's 38,000+ cattle producers. Local farmers may join the Pendleton County Beef Cattle Association, the local chapter of KCA, by contacting the Extension Office for more information.

KCA's mission is to provide a strong proactive voice for all of Kentucky's beef farm families, serve as a resource for information and education for producers, consumers, and the industry, and be a catalyst for enhancing producer sustainability.

EXTENSION GROWS COMMUNITY

**Hiking Club
Coming Soon**

- Are you a nature lover?
- Do you like a good challenge?

Join our hiking club!

We will be discussing basic gear & nutrition for a good hike and planning for a year of adventure!

**MARCH 9, 2023
7 PM**

FORAGE FOCUS
Timely Tips for Flourishing Forages

- Prepare for pasture renovation by purchasing seeds, inoculant, and get equipment ready.
- Assess hay quality & inventory.
- During wet periods or times sod is likely to be damaged or destroyed by traffic, move cattle to the barn or sacrifice lot until conditions improve.

MATCH HAY TO NUTRITIONAL NEEDS OF CATTLE
Lactating Cows = Higher CP & TDN Need

MORE INFO **859.654.3395**

JANUARY TIPS:
TEST HAY FOR NUTRITION

2022 CENSUS OF AGRICULTURE

RESPOND NOW

YOUR VOICE. YOUR FUTURE. YOUR OPPORTUNITY.
nass.usda.gov/AgCensus

USDA United States Department of Agriculture National Agricultural Statistics Service

#AgCensus