

# *PURDUE EXTENSION*

## LAWRENCE COUNTY AGRICULTURE & NATURAL RESOURCES NEWSLETTER

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### ***ANR News:***

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#### **CHANGES to borrowing Soil and Hay Probes from Ext. Office**

Effective immediately, anyone who wishes to borrow a soil probe or hay probe from our Extension Office can still do so but the deposit amount has changed to **\$40 CASH** so please be aware of this and prepared when you come to our office to sign one out. We appreciate your understanding with this policy change. Thank you.

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#### **PARP Program set for February 8 at Premier Ag in Mitchell**

Needing Private Applicator credits for 2023? Plan on attending a recertification program on Wednesday, February 8 from 5:30-7:30 pm at Premier Ag in Mitchell (1955 State Road 37 South Mitchell). A meal will be served. Topics covered in the program will include: Residuals/Layering and Timing of Applications; Micronutrients needed For High Yield Soybeans; 2023 Pesticide Regulatory Update.

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#### **Indiana Pesticide Regulation Changes**

The Office of the Indiana State Chemist (OISC) and the Indiana Pesticide Review Board have approved regulatory changes effective January 1, 2023. Changes will be addressed at all 2023 Private Applicator Recertification Programs (PARP). Changes focus on restricted use pesticide application by certified applicators, recordkeeping, and restructuring of penalties/fines. Additional info can be found: <https://oisc.purdue.edu/pesticide/index.html> under “News.”

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#### **2023 Custom Rate Survey**

ATTENTION: Producers & Custom Rate Applicators—Please take a few moments to fill out this custom rate survey if you perform custom services and/or hire custom services. Even if you can only fill out one or two items on the survey, any and all information is helpful! This survey's results are widely use by many like myself in county offices to assist producers. Surveys will be collected through the end of March. Qualtrics Survey: [https://purdue.ca1.qualtrics.com/jfe/form/SV\\_2shSaYGT7GyuLpY](https://purdue.ca1.qualtrics.com/jfe/form/SV_2shSaYGT7GyuLpY)

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#### **National Farm Machinery Show, February 15-18**

The National Farm Machinery Show will be held February 15-18, 2023, at the Kentucky Exposition Center in Louisville, KY. For more information visit: <http://www.farmmachineryshow.org/>.

## ***ANR News in-brief items for your consideration... (cont.)***

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### **Timely Beef Related Articles that Might be of Interest:**

Go to this link (<http://u.osu.edu/beef/>) to find any of the following provided by Stan Smith Extension Beef Specialist with Ohio State University:

- Is your pasture prepared for extreme weather?
  - Sampling Corn Grain for Vomitoxin
  - The Impact of Tight Hay Supplies on Winter Feeding Costs
  - Bovine Venereal Diseases – Should You be Concerned?
  - Don't let the performance of your cattle get stuck in the mud
  - Reproductive Failure in Cattle-Frequently Asked Questions about Leptospirosis
- 

### **Helpful Articles and Links for Frost Seeding Legumes**

- Excellent article on the importance and how to Frost-seed Clover  
<https://u.osu.edu/beef/2023/01/18/frost-seeding-clover-a-recipe-for-success/>
  - Calibrating a Spinner Spreader, 5 min: <https://www.youtube.com/watch?v=E0wSBYlJDbw>
  - Frost Seeding of Clover – YouTube, 5 min; <https://www.youtube.com/watch?v=dmBBBaLVg-Y>
  - Precision Ag isn't just for Row Crop Guys, 33 min; <https://www.youtube.com/watch?v=Iun7J53Ds-g>
  - Ten Tips to Help Livestock Producers Weather High Fertilizer Prices – Chris Teutsch, 21 min; <https://www.youtube.com/watch?v=sgIS2IBew0M>
  - Rejuvenating Rundown Pastures: Pasture Renovations-Chris Teutsch, 40 min; <https://www.youtube.com/watch?v=RjLKnoPATZM>
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### **Indiana Small Farm Conference, March 2-3**

The 2023 Indiana Small Farm Conference is March 2-3, 2023 at the Hendricks County Fairgrounds & Conference Center in Danville, IN 46122. More conference information is available at: [https://extension.purdue.edu/anr/teams/dffs/small\\_farm\\_conference/sfc-2023.html](https://extension.purdue.edu/anr/teams/dffs/small_farm_conference/sfc-2023.html).

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### **Indiana Beef Producers Tour, April 3-7**

The 2023 Indiana Beef Producers Tour is visiting beef cattle operations and beef-related agribusinesses in Indiana, Illinois, and Michigan from Monday, April 3 through Friday, April 7. Contact Ophelia Davis, ANR Educator, at the Extension office 812-275-4623 or [odavis@purdue.edu](mailto:odavis@purdue.edu) for additional tour information.

## ***ANR News in-brief items for your consideration... (cont.)***

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### **Executive Vice President of the Indiana Beef Cattle Association/ Indiana Beef Council**

- The EVP is the chief staff officer of this volunteer-driven, not-for-profit organization and serves as the direction of the IBCA Executive Committee and the Board of Directors. The EVP also oversees the collections and expenditures of the Beef Checkoff in Indiana. The position is full-time and on-site at the office in Indianapolis, IN. To apply, complete the application provided. Applications will be accepted through January 25, 2023.

<https://www.indianabeef.org/indiana-beef-cattle-association/about-us/careers/executive-vice-president>

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### **Input Needed From Beef Producers with Survey**

Take this 10-minute academic research survey about “Adoption of Bovine Respiratory Disease Biosensors ” [https://purdue.ca1.qualtrics.com/jfe/form/SV\\_bqqzYqxuAY2ghuZ](https://purdue.ca1.qualtrics.com/jfe/form/SV_bqqzYqxuAY2ghuZ) for a 1-in-50 or greater chance to win a \$100 gift card for Amazon or Walmart! You can help us better understand how beef producers make decisions about accepting new technologies.

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### **Seasonal tips for Cattle Producers**

#### **February**

1. Feed late in the day (after dark) to promote day-time calving.
2. Feed cows in good condition (condition score 5-7) a dry cow ration. Thin cows (condition score 3-4) should be fed a higher energy ration.
3. Give weak calves colostrum with esophageal feeder within 4 hours of calving. Research has shown that after 4 hours the calf has lost most of its ability to absorb colostrum antibodies.
4. Identify calves with ear tags. Be aware of cows with aggressive behavior. Commercial operations should castrate and implant bull calves.
5. Record birth date, calf weight, dam and calf ID, and calving score in record book.
6. Overseed pastures with desired legume (if needed) before mid-March.
7. Frost seed clovers.
8. Purebred and commercial producers should:
  - Put heavy springers into calving pasture and observe them several times a day.
  - Provide extra attention to first-calf heifers.
  - Provide assistance to heifers after 1 hour and cows after 2 hours, if not making progress in calving.
  - Move cows and calves to a clean pasture away from calving pasture after calves are 2-3 days old.
- If moving heavy springers into a calving paddock or pasture and sorting cows and calves to a clean pasture is not feasible, then a large, well-drained calving pasture is needed. This area should be large enough to remain relatively clean for the calving period. Rule of thumb is 0.5 to 0.75 acres per cow.





## ***ANR News in-brief items for your consideration... (cont.)***

### **Access to Animal Medications: Plan Ahead for Changes Coming this Summer**

Changes are coming to the way certain antibiotics will be available to animal owners by June 11, 2023. The U.S. Food and Drug Administration (FDA) has been taking steps to improve the judicious use of antibiotics in humans and animals. For animal owners, the next step is outlined in *Guidance for Industry (GFI) #263*. This document requires drug companies to change the labels on over-the-counter medically important antibiotics (MIA) to prescription status. The FDA has been working toward the goal of having all medically important antibiotics for animals fall under the oversight of veterinarians. In 2017, FDA required MIAs in feed to have a veterinary feed directive (VFD) and all antibiotics administered via water have prescription labels.

Not all drugs, and not even all antibiotics, will be affected by this rule change - only MIAs. Medically important antibiotics are those classes of antibiotics that are important for treating human disease. However, the most common over-the-counter antibiotics such as penicillin, tetracyclines, and sulfas fall in the medically important category and will no longer be available without a prescription. GFI #263 affects MIAs for livestock, equine, and small animals.



Dewormers, some coccidiostats, and some less common and non-MIA antibiotics will not have a label change.

Antibiotics you have on-hand after they are no longer available to buy without a prescription may be used legally. However, stocking up on these products is not recommended as they may expire before they can be used. The best idea is to work with your veterinarian and have a plan in place for when animals may need antibiotics. If you don't currently have a regular veterinarian, now is a good time to reach out to one *before* an emergency occurs. Veterinarians are not obligated to write prescriptions or see animals, particularly after hours, if they are not regular clients. A valid veterinary client patient relationship (VCPR) is required for veterinarians to write prescriptions. To establish a valid VCPR, be prepared to have an annual visit from the veterinarian in order to have access to emergency visits and prescriptions. This federal rule change does not mean a veterinarian needs to see every animal every time it is sick. However, how you and your veterinarian will handle sick animals, prescriptions, and emergency situations is a conversation that should be completed in advance.

*Source: Debbie Boyd, DVM; Indiana State Board of Animal Health*



## ***ANR News in-brief items for your consideration... (cont.)***

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White River Forestry Committee

# NEWS

**News Contact:**

Teena Ligman 812.278.0139

[tdligman@att.net](mailto:tdligman@att.net)

### **Winter Tree Identification Workshop**

#### **Classroom and Outdoor Session**

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**Bedford, IN** – (January 23, 2023) Join Janet Eger from the White River Forestry Committee on Thursday, February 16 and Saturday, February 18 to hone your skills in identifying trees in winter. People are encouraged to attend both sessions of the workshop but if someone is only able to attend one session, they will still get value from the class.

Thursday's session will be from 6:00 to 8:00 p.m. and will be held at the Spring Mill State Park's Nature Center, east of Mitchell, IN. Saturday's session will also be held at Spring Mill State Park. Participants will meet in the Grissom Memorial parking lot at 9:00 a.m. The Saturday session will be finished before noon.

Eger explains that in Thursday's session she will go over ways to distinguish one species of tree from another without their leaves. As a forester with over 40 years of field experience she has learned many tricks to identify trees. She will bring twig samples for people to examine the buds of common trees to compare different species as well as nuts and seeds of those species.

On Saturday, Eger will take the group on a paved trail through the woods helping them identify trees and show people the differences in bark, twigs, nuts, and other characteristics. If people are unable to make the Thursday session, they are still welcome to attend on Saturday. Other area foresters will be on hand as well to assist for an interactive on-hands session.

The cost of the workshop is \$5 and pre-registration is required so we have enough handouts available. Refreshments will be provided at both sessions. Please call Teena Ligman at 812-278-0139 or email [tdligman@att.net](mailto:tdligman@att.net) for more information and to register for the workshop. Attendance is limited due to the size of the room. The workshop is sponsored by White River Forestry Committee, part of the Indiana Forest and Woodland Owners Association, and Spring Mill State Park.

***ANR News in-brief items for your consideration... (cont.)*****February Horticulture Calendar****Lawns, Tree Fruits, Landscape Plants,  
and Woody Ornamentals****February**

- Check mulches, rodent shields, salt/wind screens, and other winter plant protections to make sure they are still in place.
- Prune landscape plants, except early spring bloomers, which should be pruned after flowers fade. Birches, maples, dogwoods, and other heavy sap bleeders can be pruned in early summer to avoid the sap flow, although bleeding is not harmful to the tree.

**Indoor Plants and Activities****February**

- Check water levels daily in cut-flower vases.
- Repot houseplants as they outgrow current pots.
- Early blooms of spring-flowering bulbs can make good gifts for a sweetheart. Keep the plant in a bright, cool location for longer lasting blooms. Forced bulbs make poor garden flowers and should be discarded as blooms fade.

**Flowers, Vegetables and Small Fruits****February**

- Prepare or repair lawn and garden tools for the upcoming season.
- Start seeds indoors for cool-season vegetables so they will be ready for transplanting to the garden early in the season. Broccoli, cauliflower, and cabbage seeds should be started five to seven weeks prior to transplanting.
- Test leftover garden seed for germination.
- Place 10 seeds between moist paper toweling or cover with a thin layer of soil. Keep seeds warm and moist. If less than six seeds germinate, then fresh seed should be purchased.



Join the White River Forestry Committee's

**Annual Wildflower Hike****April 8, 2023****Location:** Feldun Purdue Agricultural Center  
1117 State Road 458 Bedford, Indiana 47421**Sign up for one of two hikes: 10:30am-12 or 12:30pm-2****Cost: \$10** Payment required to hold your reservation**RSVP with SWCD at 812-279-8117 ext 3 with Mandy or Stephanie**

Join us as we explore the abundance of spring ephemerals. Of the property's 880 acres of land, 234 acres are forested with intriguing karst terrain. Hikes will be led by Carroll Ritter, Janet Eger and others. We hope for a warm sunny day but will do the hike even in light rain. Please wear sturdy shoes. If you wish to bring your lunch, picnic tables are available. Snacks and water will be provided.



## **Reminders**

By: Ward Upham, Horticulture Specialist, Kansas State University

- Cover strawberry plants with mulch so they don't heave out of the ground this winter.

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## **How to Tell Poison Ivy and Virginia Creeper Apart in the Winter**

By: Ward Upham, Horticulture Specialist, Kansas State University

During the growing season, these plants are easy to tell apart as Virginia Creeper has five-leaflets per leaf and Poison Ivy has three. However, during the winter, distinguishing between the two vines can be more difficult as the leaves have dropped. The reason it is important to be able to tell the difference is that Poison Ivy causes a rash in most people but Virginia Creeper does not. First, let's cover some facts about Poison Ivy.

- Urushiol is the oil present in Poison Ivy that causes the rash.
- Urushiol is present in all parts of the plant but especially in the sap.
- Urushiol can cause a rash from 1 to 5 years after a plant has died.
- The amount of urushiol that covers the head of a pin can cause a rash in 500 people. The stuff is potent.
- Poison Ivy can grow as a ground cover, a shrub or a vine. We are concerned with the vine in this article.
- Using a chainsaw on Poison Ivy in the winter can release sap which makes a rash more likely. This is worse on warm days where there is more sap rise.

So, how do you tell the two apart? This is actually easy once you know what to check. Look at the aerial roots on the vines of Poison Ivy and Virginia Creeper. They resemble hairs on Poison Ivy but are plumper on Virginia Creeper and are about the size of a pencil lead.

<https://hnr.k-state.edu/extension/horticulture-resource-center/horticulture-newsletter/>

## **Interested in more horticulturally related articles?**

Please visit this link to read and learn from timely horticulture articles:

<https://hnr.k-state.edu/extension/horticulture-resource-center/horticulture-newsletter/>



***ANR News in-brief items for your consideration... (cont.)***

Individuals unable to attend the Lawrence County program are encouraged to participate in the Purdue Extension - Washington Co. Ag. Outlook Breakfast on Monday, February 13 from 8:30-10:30 am in the Meeting Room of the Washington County Government Building (806 Martinsburg Rd., Salem). RSVP's are required by Wednesday, February 8, 2023 by contacting Purdue Extension – Washington County at [dhowellw@purdue.edu](mailto:dhowellw@purdue.edu) or 812-883-4601.

# LAWRENCE COUNTY AG OUTLOOK 2023

**Join us for lunch and learn about:**

- **Outlook for grain and livestock markets for the year ahead and what could impact trends** (Dr. Michael Langemeier, Agriculture Economics, Purdue University)
- **Supply/Demand of input availability** (Premier Ag Representative)

**MONDAY, FEBRUARY 13, 2023 @ 12:30-2:30 P.M.**  
**11955 STATE RD 37, MITCHELL, IN**  
**RSVP BY FEBRUARY 8: 812-849-2464 (MATT)**



Purdue University is an equal opportunity/equal access/affirmative action institution.

***ANR News in-brief items for your consideration... (cont.)*****INDIANA FORAGE COUNCIL****ANNUAL  
MEETING & SEMINAR****FEBRUARY 9th, 2023****CLAAS of America****3030 Norcross Dr., Columbus, IN 47201****RSVP by 02/06/2023****Register by contacting:***Elysia Rodgers Ph: (260) 925-2562 or Email: [eberry@purdue.edu](mailto:eberry@purdue.edu)**Event is \$20.00 to cover dinner expenses.**\*\*Please include dietary restrictions during your registration process. \*\****Checks payable to: Indiana Forage Council, Inc. - P.O. Box 2710, West Lafayette, IN 47996**

Payments will be accepted at check-in if you have pre-registered by phone or email.

The Columbus, IN location of **CLAAS of America** is the North American distribution hub for CLAAS parts. The facility has 175,000 square feet and has 18 shipping and receiving docks. The Columbus facility is strategically located close to the US distribution hubs for FedEx, UPS, and DHL to maximize their logistical efficiency.



**Brock Kiesler and Matt Tobias**, cash crop hay producers in Floyd and Shelby counties, respectively, will discuss the production, harvest and marketing strategies they use to produce high quality hay. Brock and Matt have received recognition for having award winning hay entries in the Indiana Forage Council's hay quality contest.

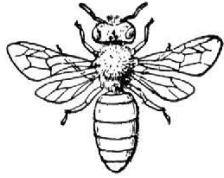
**NEW & CURRENT ANNUAL MEMBERSHIP DUES CAN BE PAID ON SITE****ATTENDANCE AT THE 4:00 PM ANNUAL MEETING IS NOT A REQUIREMENT FOR PARTICIPATION IN THE REST OF THE EVENING.****AGENDA (EST)**

4:00 PM	Annual Meeting-All Welcome
5:00 PM	CLAAS Parts Facility Tour
6:00 PM	Meal
6:45 PM	Awards
7:00 PM	Seminar
8:15 PM	Adjourn

## ***ANR News in-brief items for your consideration... (cont.)***

# **Bee Intensive Advanced**

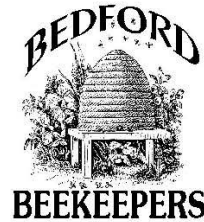
Saturday Feb 11 2023 8am to 3pm



**Central Church of Christ Education Building**

**12<sup>th</sup> and N street**

**Bedford, IN 47421**



This will be an advanced class; it is designed for beekeepers with at least one years' experience keeping bees.  
Class will be taught by Master beekeeper Chuck Dailey and Gary Reeves from the Indiana Queen Breeders Association

***LUNCH PROVIDED***

***Registration: Free***

***Donations appreciated!***

***Will collect for lunch and have delivered in.***

***Subject matter covered will be:***

***Nutrition***

***Mites and diseases they cause***

***Beekeeper errors***

***Queens and the Indiana Queen project***

***And many other topics***



**Pre-Registration is required –Text name and Information to Curtis McBride 812-797-4269**

**Or email [bedfordbeekeepers@hotmail.com](mailto:bedfordbeekeepers@hotmail.com)**

Go to [www.bedfordbeekeepers.club](http://www.bedfordbeekeepers.club) for more information

Contact: [bedfordbeekeepers@hotmail.com](mailto:bedfordbeekeepers@hotmail.com) for more information

Or Call 812-797-4269 for information and more details



# ANR News in-brief items for your consideration... (cont.)

## General Information

### Conference Site

The Ferdinand Community Center in Ferdinand, IN is the host site for the 2023 conference. It is conveniently located just a few miles north of I-64 at Exit 63 in southern Indiana. The address for the community center is:

1710 Community Dr.  
Ferdinand, IN 47532  
[www.ferdinandcommunitycenter.com](http://www.ferdinandcommunitycenter.com)

### Lodging

Within 3 miles of the conference site:  
Quality Inn and Suites  
440 S Main St  
Ferdinand, IN 47532  
812-367-1122

Comfort Inn  
1232 Scenic Hills Ct  
Ferdinand, IN 47532  
812-817-0484

Additional lodging is available in near by Jasper, Indiana

See the Indiana Forage Council Website for additional information:  
[www.indianaforage.org](http://www.indianaforage.org)

If interested in participating at this event as a vendor please contact Jason Tower at 812-678-4427 or [towerj@purdue.edu](mailto:towerj@purdue.edu)

### Save the Date—Grazing 102

To be held June 9—10, 2023 at Southern Indiana Purdue Ag Center  
Also, June 16—17, 2023 near Winchester, IN

Organized By:  
Indiana Forage Council



Thanks to Our Corporate Sponsors:

Grazing Systems Supply  
[www.grazingsystemssupply.com](http://www.grazingsystemssupply.com)



The CISCO Companies  
[www.ciscoseeds.com](http://www.ciscoseeds.com)



## Heart of America



## Grazing Conference

February 20—21, 2023

Ferdinand Community Center  
Ferdinand, Indiana



# Heart of America Grazing Conference

## February 20, 2023

(All Times are Eastern Standard Time)

- 12:30 PM Registration, Trade Show, Silent Auction
- 1:25 Welcome  
Kenneth Eck
- 1:30 Designing a Managed Grazing System—A Practical Approach Before the First Post is Set, session 1  
Lead by Dr Keith Johnson and Jason Tower  
Zach Moore  
Current Inventory of the Operation  
John Scott  
Learning about the Land  
Lee Schnell  
Soil Sampling Techniques/Lessons  
Dr. Keith Johnson  
Break, visit tradeshow
- 2:45 Designing a Managed Grazing System, session 2  
Determining Fencing Needs  
Jason Tower  
Developing the Water Resource  
Robert Zupancic  
Forage Seeding Options  
Miles Kuhn  
What can the Pasture Support?  
Dr. Nick Minton
- 3:15 Break, visit tradeshow and social time
- 5:00
- 6:00—6:45 Supper
- 6:45 After Dinner Program  
The Power of One Wire  
Johnny Rogers
- 7:30 Reflections of 20 years of the Heart of America Grazing Conference - thoughts from the Founding Fathers  
Read by: Jason Tower
- 7:45 Tomorrows Speakers—a self introduction
- 8:00 Forage and Grazing Videos and Social Time
- 9:00 Hall closes

## February 21, 2023

- 7:00 AM Registration and Refreshments / Visit Trade Show and Silent Auction  
Conference Welcome  
Elysia Rogers
- 8:00
- 8:15 What is Soil Health and What Affect does Grazing Have on It?  
Dr. Alan Franzluebbers
- 9:15 Opportunities in a Grazing Program with Small Ruminants  
Johnny Rogers
- 10:15 Break—Visit Trade Show and Silent Auction
- 10:45 Livestock Disorders Associated with Stored Forages  
Dr. Grant Burcham
- 11:15 A Review of the Blue River Water shed Project  
Pete Huff
- 11:45 Lunch  
12:30 PM Our Stories  
Devon Churchill—cow/calf operation  
Ronnie Boehm—custom grazer  
Danielle and Aaron Walker—sheep producers
- 1:15 Questions/Answers with the Producers  
1:30 Break, visit tradeshow, silent auction ends
- 2:00 Strategies to Make Bale Grazing Cost Effective  
Dr. Greg Halich
- 2:45 Traditional Vs Biological Soil Tests—What do They Tell Us and How do We Use the Data?  
Dr. Alan Franzluebbers
- 3:30 What Data should be Recorded and Improved ways to Do It.  
Jason Tower
- 4:00 Questions for all Speakers and fill out conference survey
- 4:45 Adjourn

## Conference Speakers

- Ronnie Boehm—Owner, Boehm Farms, Spencer County< IN
- Dr. Grant Burcham, DVM, PhD—Director, Heeke Animal Disease Diagnostic Laboratory, Purdue University
- Devon Churchill—Co-owner, Churchill Farms, Harrison County
- Kenneth Eck—Purdue Extension, Dubois County, IN
- Dr. Alan Franzluebbers, PhD—Soil Scientists, USDA, NRCS North Carolina
- Dr. Greg Halich, PhD—Ag Economics, University of Kentucky and producer of forage finished beef
- Pete Huff—Wallace Center, Pasture Project
- Dr. Keith Johnson, PhD—Forage Extension Specialist, Purdue University
- Miles Kuhn—Forage Agronomist, Allied Seed
- Dr. Nick Minton, PhD—Beef Systems Specialist, Purdue University and Director Indiana Beef Evaluation Program
- Zach Moore—Owner, Moore Farm, Orange County, IN
- Elysia Rodgers—Purdue Extension, Dekalb County, IN and President, Indiana Forage Council
- Johnny Rogers—Owner, Rogers Cattle Company, Roxboro, North Carolina
- Lee Schnell—NRCS District Conversationist, Orange County, IN
- John Scott—Purdue University Digital Agriculture Extension Coordinator
- Jason Tower—Superintendent, Southern Indiana Purdue Ag Center (SIPAC)
- Danielle and Aaron Walker—Owner, Howell Road Farm, LLC, Washington County, IN
- Robert Zupancic—Grazing Specialist, Indiana NRCS
- Online registration available though the American Forage and Grassland Council
- Please visit:  
[www.indianaforage.org](http://www.indianaforage.org)

Note: When registering second person from the same farm only one set of proceedings will be provided.

## Conference Registration

Name (s) \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State/Zip \_\_\_\_\_

Phone \_\_\_\_\_

E-mail \_\_\_\_\_

### Early Registration — by January 22

Full Registration \$99 \_\_\_\_\_

2nd from same farm \$80 \_\_\_\_\_

One Day Registration \$60 \_\_\_\_\_

Please indicate 2/20 \_\_\_\_\_ or 2/21 \_\_\_\_\_

### After January 22

Full Registration \$125 \_\_\_\_\_

2nd from same farm \$105 \_\_\_\_\_

One Day Registration \$75 \_\_\_\_\_

Please indicate 1/22 \_\_\_\_\_ or 1/23 \_\_\_\_\_

Meals with registration after February 5 CANNOT be guaranteed.

Return this form with check payable to:  
**Indiana Forage Council, Inc.**

Send to: American Forage and Grassland Council  
c/o Indiana Forage Council  
PO Box 867  
Berea, KY 40403  
Phone: (800) 944-2342  
Email: [membership@afgc.org](mailto:membership@afgc.org)

***ANR News in-brief items for your consideration... (cont.)*****PURDUE**  
UNIVERSITY

Extension

**Unmanned Aerial Vehicle Technology Program**

Interested in becoming a Commercial Unmanned Aerial Vehicle (UAV) remote pilot or already flying without the required Federal Aviation Administration (FAA) Certification?

You're in luck! The Purdue Cooperative Extension Service is piloting a UAV Signature Program teaching individuals UAV technology legal requirements, FAA Part 107 Remote Pilot Knowledge Test preparation, and useful UAV applications.

Every participant will get hands-on experience flying manual and planned UAV flights.

**Course topics are listed below:**

- UAV Introduction
- Camera Settings
- Sensors and Artificial Intelligence
- FAA Part 107 Test Preparation
- Flight Plans & Record Keeping
- Free Flight Instructions
- Planned Flight Instructions
- Use of third party applications/processing software
- Data management
- Image Quality & Troubleshooting
- Emergency Preparation

**Location**

Purdue Extension—Floyd County  
3000 Technology Ave  
New Albany, IN 47150

**Date(s) & Time**

February 21, 2023 8:00 am - 4:00 pm EST  
February 23, 2023 8:00 am - 4:00 pm EST

**Cost**

\$200 per person

**Registration Required by February 13.**

For questions or to register contact:

**Dave Osbourne**—812-689-6511 or  
osbornda@purdue.edu

**Heidi Potter**—812-256-4591 or  
hlpotter@purdue.edu

**ANR Educators in Drone Program**

Purdue University Cooperative Extension Service is an equal access/equal opportunity institution. If you need a reasonable accommodation to participate in this program, prior to the meeting, contact David Osbourne at (812)689-6511.



***ANR News in-brief items for your consideration... (cont.)***

# Wondering How To Start A...?

## WHO & WHAT?

- Did you inherit acreage?
- Do you own a small farm?
- Are you wanting to explore and try something different in agriculture, maybe beekeeping?

A FREE event for new and/or young landowners: You're invited to come meet with several Lawrence County agriculture resources that provide opportunities with such things as education, financial assistance, membership, political, travel, and more! Program will include free food and activities for you and your family!

## WHEN?

- Saturday, February 25, 11 am - 1 pm

## WHERE?

- Lawrence County Fairgrounds,  
EXPO HALL  
(11265 US-50, Bedford, IN 47421)

Please RSVP by 2/23 to [odavis@purdue.edu](mailto:odavis@purdue.edu) (812-275-4623)  
OR [stephanie.baker@in.nacdn.net](mailto:stephanie.baker@in.nacdn.net) (812-279-8117 ext. 3)

**We look forward to seeing you there!**

## Program Partners Include:



Lawrence County  
Cattlemen's Association



Lawrence  
County  
Soil & Water  
Conservation  
District



Lawrence County  
Farm Bureau



United States  
Department of  
Agriculture



Extension



***ANR News in-brief items for your consideration... (cont.)***

*Join us for*

**Lawrence County Soil &  
Water Conservation District  
65TH ANNUAL MEETING**

**FEBRUARY 27, 2023 6:00 PM**



Location: Bedford First Church of God  
3131 16th St. Bedford, IN

**Tickets can be purchased  
at SWCD Office- \$15**

SWCD Office:  
1919 Steven Ave.  
Bedford, IN  
812-279-8117 ext 3



Meal included with ticket purchase



***ANR News in-brief items for your consideration... (cont.)***

## Walking with Friends in Interesting Places- Volkswalking in Indiana

Date: Tuesday,  
February 28, 2023

Time: 6:00 pm

Location: Bath House  
at Otis Park  
(607 Tunnelton Road,  
just past Red Brick  
Mansion)

Speaker:  
Teena Ligman,  
Bedford Hiking Club

Deadline to RSVP:  
Monday, Feb 27

RSVP:  
Bedford Parks Dept  
Jordan Webb or  
Gary Dorsett  
Phone: 812-275-5692  
jwebb@bedford.in.us  
gdorsett@bedford.in.us

Join us Tuesday, February 28 at the Otis Park Bath House to learn about Volkswalks. This is all about walking with friends, staying healthy, and seeing interesting places. These walks are scheduled around the state in State Parks, forests, historical areas, interesting towns and festivals.

With each one you can walk with other people or walk with your family on a route for a 5 or 10K (3.1 or 6.2 mile) distance. The events are free.

Come hear from people who have volkswalked around the world; where you can walk close to home or around the country if you travel.



*Clockwise from top is the start point of a volkswalk at Martin State Forest, Rowena and Jim Mount grilling brats for walkers at Jackson-Washington State Forest, and Vivian Nicholson and Kay Emery on a Volkswalk in Idaho.*



## ***ANR News in-brief items for your consideration... (cont.)***

# ***Soil Testing***

## ***Cropland and Wildlife Food Plots***



The Lawrence County SWCD & NRCS are partnering with Purdue Extension to help landowners pay for having soils tested. The test will be for Lawrence County landowners for **gardens, food plots, pasture or crop ground.**

**Two (2) free test** will be offered for each landowner. Please contact Ophelia Davis or Dashia Meadows at Purdue Extension 812-275-4623 or Mandy Robbins at the SWCD 812-279-8117 x 3. Beginning March 1, all samples must be returned to Purdue Extension by **March 31, 2023.**



United States  
Department of  
Agriculture

**Natural Resources Conservation Service**



Extension

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Purdue University is an equal opportunity/equal access/affirmative action institution.



## ***ANR News in-brief items for your consideration... (cont.)***



# **BULL REPRODUCTIVE SOUNDNESS EVALUATION CLINIC**

**WEDNESDAY, MARCH 22, 2023  
BEGINNING AT 9:00 AM  
SPRINGVILLE FEEDER AUCTION FACILITY  
4426 STATE ROAD 54 W  
SPRINGVILLE, IN 47462**

*This is for beef and dairy bulls from Lawrence and surrounding counties. Bulls need to weigh at least 900 lbs. and be a minimum of twelve months of age.*

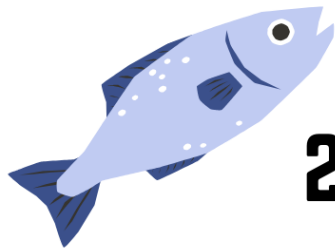
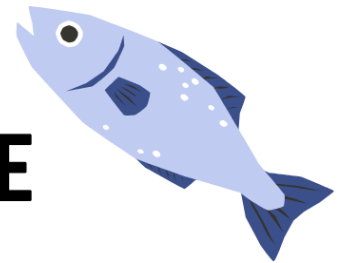
*Bulls will be given a pre-breeding season check-up. Bull fertility, physical and reproductive condition will be evaluated by Dr. Ellen Burcham (Spring Mill Vet Clinic). Health management service may be available as in past years for an additional fee payable to Spring Mill Vet Service.*

***COST IS \$50.00 per bull.***

Reservations are required by Monday, March 21, 2023.

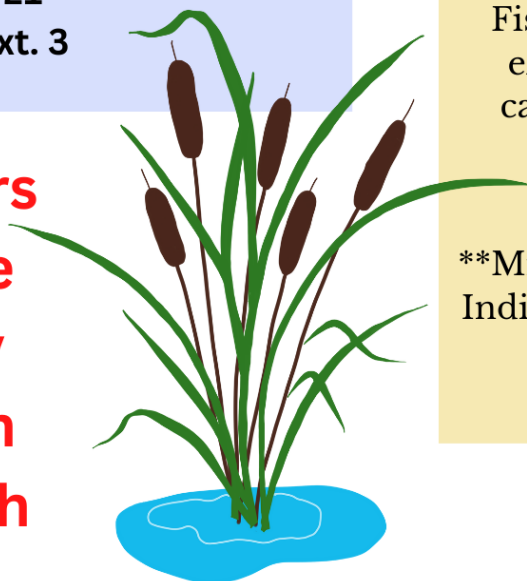
To reserve an appointment, call the Lawrence County Extension Office at 812-275-4623 before 4:30 PM on Monday, March 20, 2023.



***ANR News in-brief items for your consideration... (cont.)*****Lawrence County Soil & Water  
Conservation District****2023 SPRING FISH SALE****Pick-Up Date:****Tuesday, April 18th****Pick-Up Time:****10:00 AM****Pick-Up Location:****USDA Service Center Parking Lot  
1919 Steven Ave.  
Bedford, IN 47421****Contact:****Lawrence County SWCD  
1919 Steven Ave.  
Bedford, IN 47421  
812-279-8117 ext. 3****Fish Available For Purchase:****Type of Fish****Price**

6-8" Channel Catfish	\$ 0.75
2-4" Hybrid Bluegill	\$ 0.75
2-4" Regular Bluegill	\$ 0.75
3-4" Redear Shellcrackers	\$ 0.95
3-4" Largemouth Bass	\$ 1.35
3-4" Black Crappie	\$ 1.20
8-11" Grass Carp**	\$ 16.00
Fathead Minnows (per 1000)	\$ 39.00
3-5" Koi	\$ 5.00

**All orders  
must be  
paid by  
noon on  
April 12th**



Fish come bagged and ready,  
except for catfish and grass  
carp. Catfish require you to  
bring a clean container.

**\*\*Minimum order 5 grass Carp\*\***  
Indiana State Law requires Grass  
Carp to be delivered\*\*



***ANR News in-brief items for your consideration... (cont.)***

**HOOSIER**  
**National**  
**Forest**



**USDA**  
United States  
Department of  
Agriculture

Natural Resources Conservation Service

**DNR**  
INDIANA DEPARTMENT OF  
NATURAL RESOURCES

# Park Outdoor Series

**RSVP with Jordan Webb @ 812-275-5692**

**January 24, 2023 @ 6pm**

Classics of Southern Indiana Cave Exploration  
Carroll Ritter

Bath House @ Otis Park 607 Tunnelton Rd.

**February 28, 2023 @ 6pm**

Walking With Friends in Interesting Places- Volkswalks  
Teena Ligman

Bath House @ Otis Park 607 Tunnelton Rd.

**March 28, 2023 @ 6pm**

Surveyor's Snapshot of Indiana Forest in the early 1800's.  
A.J. Ariens Indiana DNR Forest Archaeologist  
Bath House @ Otis Park 607 Tunnelton Rd.

**April 25, 2023 @ 6pm**

Magnificent Trees of Indiana  
Carroll Ritter

Bath House @ Otis Park 607 Tunnelton Rd.

**May 24, 2023 @ 6pm**

Backyard Composting  
Soil & Water Conservation District  
@Community Garden 416 H Street

**June 28, 2023 @ 6pm**

Take a Stroll through History- Northside Historic District  
Marla Jones & Teena Ligman  
Meet @ Episcopal Church 1219 14th St, Bedford



**MAGNIFICENT**  
Trees of Indiana

Carroll D. Ritter





## *ANR News in-brief items for your consideration... (cont.)*

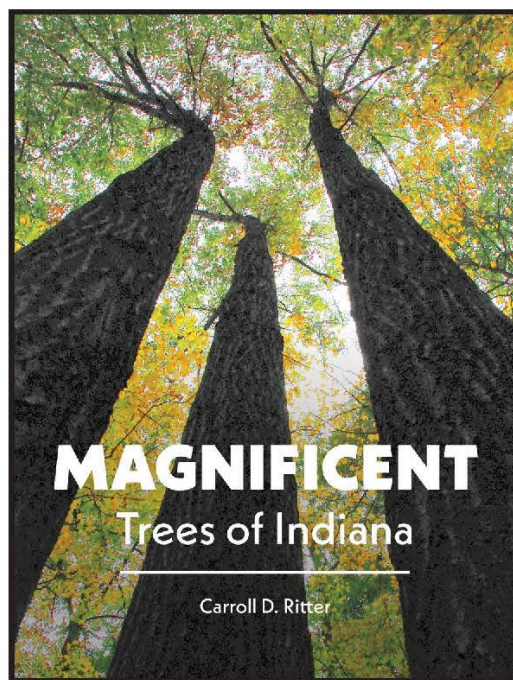
### MAGNIFICENT TREES OF INDIANA

Carroll D. Ritter

Featuring more than two hundred gorgeous color photographs of Indiana's champion trees and old-growth forest remnants, *Magnificent Trees of Indiana* is a celebration of the state's natural beauty. Seventy-four trees are featured as well as twenty old-growth woods. Each has been photographed to illuminate the grandeur of the natural world.

Accessible to the outdoor enthusiast, this book details the changes that have occurred over the last two centuries in Indiana's forests, including the landscape geology and physiography. The forest is celebrated as a living community, with highlights including odd forms, curious trees, and unique occurrences—many of which can still be visited today.

*Magnificent Trees of Indiana* makes for a beautiful coffee-table gift book for any Hoosier or nature lover, walking the reader through the geologic past, into early pioneer times, and onward to the present, all while covering the history, value, and economic importance of our hardwood forests.



“Carroll Ritter's *Magnificent Trees of Indiana* is an excellent addition to the library of anyone interested in Indiana's natural history—its forests and its biological diversity. Ritter is an exceptional naturalist and an excellent writer. In this wonderful volume, he brings the reader from the ancient times to the present, and from landscapes to individual old-growth tracts. We learn about Indiana's biggest trees, the remaining old-growth forests, and about odd and curious trees as well. Ritter's discussion of many individual tree species and old-growth sites, in separate essays, brings the reader right into the quiet forest, periodically startled as a heron takes wing, or inspired as a bald eagle soars overhead. The text about these individual nature preserves describes the cliffs and canyons, floodplain forests, upland oak-hickory forests, and rich mesic beech-maple forests that visitors will encounter. *Magnificent Trees of Indiana* can be returned to often as a reference or enjoyed as a pleasant read at a quiet time.”

—JOHN A. BACONE, Director Emeritus, Indiana Division of Nature Preserves, Indiana Department of Natural Resources

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**CARROLL D. RITTER** is a retired science teacher with a lifelong interest in trees and wildflowers. He attended Purdue University, received his master's degree from Indiana University, and completed advanced coursework in field geology from Western Washington University. After retirement, he assisted Sycamore Land Trust, developing their first and very successful environmental education program working with children of all ages. An avid mountain hiker, backpacker, and photographer, he has logged over two thousand miles on trails in the United States and Canada. He has nominated seven state champion trees over the years, including three new ones for the 2020 Indiana Big Tree Register. He lives in Williams, Indiana, where he practices forest conservation on his own land and still loves and admires his trees.

#### Connect with the author

Carroll Ritter is available for questions or invitations to group presentations and book signings. Contact him at **[outdoorconnect3@gmail.com](mailto:outdoorconnect3@gmail.com)**



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# PURDUE FAST START

## PROGRAM



At Purdue University, we are  
empowering students to direct their  
own futures through the free

**PURDUE FAST START PROGRAM,**

which makes higher education more  
affordable for all.

### WHAT

Many promising students will now have the opportunity to take their first steps toward a Purdue degree with the new Purdue Fast Start program. Through Purdue's partnership with ModernStates.org, a website featuring more than 30 free, high-quality courses, you can gain assured admission into Purdue by earning free college credit. This partnership will create new opportunities for Indiana students to take giant leaps in their education with a new pathway to Purdue University.

**THROUGH THE PURDUE FAST START PROGRAM,  
STUDENTS WILL BE ABLE TO MAKE THEIR OWN  
GIANT LEAPS A REALITY BY EARNING ACCESS TO  
AFFORDABLE, HIGH-QUALITY EDUCATION AT PURDUE.**

### HOW

To earn acceptance into Purdue, Indiana students can take the Modern States online courses for free. Those who pass a minimum of five corresponding College Board CLEP exams are assured admission to Purdue and will be designated as Klinsky Scholars. Students also will have access to mentors during the program.

Make a Purdue University education even more affordable:

- Free online courses and corresponding CLEP exams through Modern States, covering the entire cost of the Fast Start program
- Complete 5 courses + pass the CLEP exams (paid for by ModernStates.org) = 15 credits, a full semester's worth of credit at Purdue, **WHICH CAN SAVE A STUDENT \$11,000**
- Complete 10 courses + pass the CLEP exams (paid for by ModernStates.org) = 30 credits, freshman year for free at Purdue, **WHICH CAN SAVE A STUDENT OVER \$21,000**

LEARN MORE

For more information, go to the Fast Start website at [purdue.university/faststart](https://purdue.university/faststart), or call 765-494-1776 or (for hearing impaired) 800-743-3333.



PURDUE UNIVERSITY COOPERATIVE  
EXTENSION SERVICE

*Lawrence County*

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Bedford, IN 47121

*Cooperating with U.S. Department of Agriculture*

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