



Forest Leaves

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Penn State researchers continue their work to better understand beech leaf disease. Photo by Sarah Wurzbacher.

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Beech Leaf Disease Now Present in All 67 PA Counties

Adapted from an article by Calvin Norman, Assistant Teaching Professor of Forestry, Penn State Department of Ecosystem Science and Management

Calls from Pennsylvania forest landowners concerned about withering leaves and branches in their beech tree stands have ramped up this year. Four years ago, we ran an article asking our readers to report findings of beech leaf disease; in 2019, beech leaf disease was confirmed in 12 counties in northwestern PA. Today, it is found in all 67 counties of the commonwealth.

Beech leaf disease (BLD) is a substantial threat to American beech (*Fagus grandifolia*) and all other species of beech (*Fagus* spp.) across the eastern United States. American beech plays an important role in forest ecosystems; as a late successional species it adds structural diversity to a variety of forest types, and its nut production makes it an excellent species for wildlife. Beech leaf disease was first identified in Lake County, OH in 2012, and has since been found across the eastern United States. BLD is easily recognized by its distinctive dark green interveinal banding pattern on symptomatic leaves. It is caused by *Litylenchus crenatae* ssp. *mccannii* (LCM), a nematode that parasitizes tree leaves. Nematodes are tiny worms that feed on plant cells, bacteria, fungi, and other microscopic creatures. Their damage is seen in most species of beech. BLD can be more difficult to identify in its early stages in beech species with dark leaves, like "copper" beech (*Fagus sylvatica* 'Purpurea').

Symptoms

The dark bands in leaves become evident in early spring, as leaves emerge fully symptomatic. Under high levels of infection, leaf symptoms become more

pronounced; leaves become leathery and crinkled. These bands are due to cellular damage caused by nematodes in the leaf buds. In forests heavily impacted by BLD, it may look like there is a drought that is impacting only beech.

Disease Progression

In spring, from May to June, there are few nematodes in diseased leaves. The number of nematodes increases over the summer (July-August) and reaches a peak in late summer through fall (September-November). As the numbers build up within the leaves, nematodes will migrate from the infected leaves into the newly forming buds. Once nematodes reach the new bud, they will feed on the bud tissues, which negatively affects the overall architecture of the developing young leaves by increasing their number of cell layers. This damages the next generation of leaves,

Beech leaf disease, continued on page 2



Beech leaf disease is easily recognized by its distinctive dark green interveinal banding pattern on symptomatic leaves.

Photo by Sarah Wurzbacher.



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and repeated damage will kill infected beech. BLD spreads quickly, causing leaves to wither and, often, the tree to eventually die. Currently, the method of transmission between infected trees is unknown.

Treatment Options for Yard/Street Trees

BLD can be treated in yard trees by injections of thiabendazole (like Arbotect 20-S). According to the label, inject 2 to 8 fl. oz. of thiabendazole for every 5 inches of trunk diameter and dilute with 16 to 32 parts water for one part chemical. For large trees (stems with a DBH of 8 inches or more), stems may be injected with up to 12 fl. oz. thiabendazole per 5 inches of trunk diameter. Always read and understand the chemical label prior to applying. Other products that show promising results against BLD are potassium phosphite, potassium polyphosphate, and other potassium fertilizers. The recommended application rate is 2 fl. oz. of phosphite products mixed with 14 oz. of water for every inch of diameter and applied at the base of the infected tree. Trees that have been damaged for multiple years might not be saved, as the damage may be too much for the trees to overcome. Long-term research is still underway.

Management in Forests

Currently there is no feasible large-scale treatment for BLD in forests. Individual

trees can be treated using the treatments above, but this can be expensive.

The Future of Beech Trees in Pennsylvania

The USDA Forest Service estimates there are about 700 million beech trees in Pennsylvania. Beech trees make up about 9% of Pennsylvania's forests, according to the PA DCNR Bureau of Forestry. Before BLD, their biggest threat was beech bark dis-

ease, a disease caused when certain scale insects feed on American beech bark, leaving wounds that are then infected by a fungus. Beech bark disease has killed millions of American beech throughout the northeast and continues to impact beech today. In many areas of the state, these two diseases are co-occurring, with devastating consequences. With beech leaf disease and beech bark disease on the landscape, American beech is imperiled.



These photos show the interveinal leaf darkening of beech leaf disease. You can readily see this effect by looking up at the underside of a leaf held against a light source or with the sky as a backdrop (left). Photos by Sarah Wurzbacher.

Pennsylvania Woodland Owners: You Are Invited to Take Part in a Study to Understand Landowner Views about Carbon Payment Programs

Forest landowners are invited to take part in a study seeking to understand landowner views about carbon payment programs in Pennsylvania. This study is being conducted by Penn State researchers and will be used to inform education and policy decisions about climate smart forestry. No special knowledge or experience is required to take the survey.

How to Participate:

Learn more by visiting our project website at <https://sites.psu.edu/carbon-study1>.

You can sign up for the study by following the links on the project website's "About the Study" page or going to <https://ecosystems.psu.edu/carbon-signup>. After signing up, you

will receive an invitation code which is required to access either the online survey or request a printed copy.

Incentive: Upon completing the survey, you will be entered into a raffle for a chance to win a Google Nest Mini (2nd Gen) Smart Speaker with Google Assistant Voice Control.

If you prefer a printed copy of the survey, please contact Kripa Neupane directly at kripa.neupane@psu.edu.

Your participation in this study is voluntary, and your responses will be kept confidential. Your time and participation are greatly appreciated and will help shape the future of climate smart forestry practices and policies in Pennsylvania.

Thank you for your participation.



Penn State researchers are asking interested Pennsylvania woodland owners to share their views about carbon payment programs. Photo by Barb Sellers.

Rust Diseases Affecting Junipers and Trees and Shrubs in the Rose Family

By Jeff Osborne, Forest Stewardship Program Associate, James C. Finley Center for Private Forests at Penn State

Last month, as I was enjoying a snack of juneberries, I noticed a sight I had not seen on the shrub before. Some berries were double the size of others and had short columns protruding from them. I suspected a fungus and was able to identify the culprit as a rust fungus.

There are several closely related fungal rust diseases in Pennsylvania which need to infect plants in the Cupressaceae family—junipers (like the eastern red cedar, *Juniperus virginiana*, with its incorrect common name), and plants in the Rosaceae family, including apples, hawthorns, and juneberries—to complete their life cycles. Three common rusts are cedar-quince (*Gymnosporangium clavipes*), cedar-apple (*Gymnosporangium juniperi-virginianae*), and cedar-hawthorn (*Gymnosporangium globosum*). Because of confusion with common names, like the eastern red cedar, some references refer to other names for the fungal infections such as juniper-apple rust or American hawthorn rust. Northern white cedar, even though a member of the Cupressaceae family, is not a host for these rusts. Let's examine rust diseases that you may be seeing the effects of on your apples, hawthorns, and juneberries.

The rusts have a basic life cycle which is similar, but their signs, hosts, and hosts' symptoms may differ. In the spring, after rains during temperature ranges of 45 to 75 degrees Fahrenheit, the fungus, which has been waiting in galls or cankers on the juniper, begins to develop telia, which are



Conspicuous orange gelatinized telia on an eastern red cedar host.

Photo by Elizabeth Bush, Virginia Polytechnic Institute and State University, Bugwood.org.

orange gelatinous masses. These telia are made of teliospores. The teliospores form basidiospores which are then dispersed by wind to the other host. The basidiospores infect leaves, fruits, or new twigs on the deciduous host and form pycnia. The fungus then produces pycniospores and forms structures called aecia, which develop aeciospores. To complete the cycle, aeciospores then infect the juniper and form galls or cankers and may take up to two years for the galls to develop.

Cedar-quince rust: Eastern red cedar and common landscaping junipers are susceptible, as well as many species in the rose family, including apples, quinque, mountain-ash, hawthorn, chokeberry, and juneberry. The rust forms cankers on

junipers, from younger twigs to the main stem. Fruiting bodies may emerge from these cankers each spring for four or more years. This can lead to girdling of a significant portion of the plant. On the deciduous plants, this rust disfigures fruits and can form cankers on twigs. Leaves may show no damage or few yellow spots.

Cedar-apple rust: Eastern red cedar and common landscaping junipers, as well as apples, are susceptible to this rust. This rust produces very conspicuous telia on newer growth of junipers in the spring. The fungal infection on apple species mainly targets leaves and can cause significant defoliation and blemished fruit and can cause fruit to be underdeveloped.

Cedar-hawthorn rust: This rust has a host list similar to cedar-quince rust, and a sign and symptom list similar to cedar-apple rust. Hawthorns can be severely defoliated.

Prevention and treatment: Infection severity generally decreases as distance between the two host species increases, so removing one host from an area will benefit the other host, although spores can travel miles in the wind. If you are planning on planting any of these species, there are many listings of resistant varieties. If rust is a perennial problem, there are also several resources to spraying the rose family host, such as *Spray Guide for Growing Apples at Home* from Kansas State University (https://bookstore.ksre.ksu.edu/download/spray-guide-for-growing-apples-at-home_MF3429).



Left: A juneberry shrub with about a quarter of its fruit infected by cedar-quince rust. Above: Columns protruding from the juneberry fruit. These columns are aecia, or reproductive structures which produce aeciospores. Photos by Jeff Osborne.

PA SFI® Implementation Committee Wins Award for Collaborating to Advance Conservation and Outreach

Submitted by Chuck Coup, PA SFI Implementation Committee Program Manager

In early June, the Sustainable Forestry Initiative (SFI) announced the winner of the SFI Implementation Committee Achievement Award at the 2024 SFI Annual Conference in Atlanta, GA.

Lasting solutions to pressing conservation and sustainability challenges, such as species extinctions and climate change, require local collaborations that draw on our collective expertise. The Pennsylvania SFI Implementation Committee (SIC) was selected as this year's award winner for effectively leveraging technical knowledge and outreach platforms to increase the uptake of sustainable forest management practices. Their leadership in providing expert technical guidance has profoundly influenced sustainable forestry practices across the state and throughout the SFI network.

The Pennsylvania SIC's contributions include high-quality assessment and training resources to conserve Forests with Exceptional Conservation Value (FECVs), advance water and soil conservation, and support climate-smart forestry practices. "The Pennsylvania SIC provides critical on-the-ground support and serves as a model for sharing knowledge across SFI's network," said Nadine Block, SFI's Senior VP of Community and Government Relations.

The Pennsylvania SIC demonstrated the value of collaborating to encourage forest-focused solutions by proactively coordinating with the Pennsylvania Department of Conservation and Natural Resources to produce fact sheets on SFI standard requirements related to biodiversity and FECVs, which received

high marks from auditors for being best-in-class. Other notable achievements include contributions to an updated "Best Management Practices for Timber Harvest Operations" booklet, and for supporting career pathways exploration with the distribution of the publication *Black Faces in Green Spaces: The Journeys of Black Professionals in Green Careers*.

"The Pennsylvania SIC is an exceptionally skilled team of volunteers that embraced the new collaborative opportunities highlighted in the 2022 SFI Standards. Their collective experience in forest resource management gave them the technical basis for providing leadership on these initiatives," said Chuck Coup, Pennsylvania SIC Program Manager. "The achievements highlighted above stand as a testament to the unwavering dedication of our members, who are deeply committed to improving sustainable forestry practices in Pennsylvania."

The SFI External Review Panel, which provides ongoing, independent review of SFI and its work, selects the award winner. "The review panel was extremely impressed by the quality of community collaboration demonstrated by SICs across the country. We commend the Pennsylvania SFI Implementation Committee for its high impact, strategic education efforts to help landowners and loggers successfully execute sustainable forestry practices," said Alice Ewen, Chair of the SFI External Review Panel and Assistant Director of Cooperative Forestry, USDA Forest Service.

For more information about the PA SFI® Implementation Committee, visit their website at www.sfiopa.org or call 888-734-9366.



Chuck Coup (center), Program Manager with the Pennsylvania SIC, accepts the SFI Implementation Committee Achievement Award at the 2024 SFI Annual Conference in Atlanta, GA. Photo provided by SFI with news release.

PA Tree Farm: Committee's Focus for 2024

By Susan Benedict, PA Tree Farm Committee Chair

The Pennsylvania Tree Farm Committee met following the National Leadership Committee (NLC) meeting in Vancouver, WA in early March. The NLC attendees from the PA Tree Farm Committee—Susan Benedict, Leroy Benedict, Celesta Powell, and Mike Powell—reported on their experience and learning from NLC. The biggest takeaway was that state committees need to fashion their programs to meet the needs of Tree Farmers in their state.

After some discussion, the PA committee decided to focus on the following:

- Identifying a PA Tree Farmer of the Year.
- Identifying a Tree Farm Inspector of the Year.
- Continuing to complete all required Tree Farm inspections and improve on our goal to inspect each Tree Farm every five years.
- Seeking out a Vice Chair for the committee.

We have been making progress on these goals. On our agenda for the committee's July 2024 meeting is the selection of our Tree Farmer of the Year candidates and our Inspector of the Year candidates. We welcome your questions and comments; please email me at ssb4295@gmail.com.

For more information about the PA Tree Farm program, visit their webpage at www.paforestry.org/treefarm.

Pennsylvania Forestry Association: Spring Recap and Upcoming Summer Events

By Matt Sampson, Pennsylvania Forestry Association President

The Pennsylvania Forestry Association (PFA) has spent a busy spring and is looking forward to a full slate of summer fun. Here's a look at some spring activities:

Planting Ramble—The Tree Planting Ramble was held April 19 and 20 in Sprout State Forest. Friday's weather was a bit "iffy," but dedicated volunteers had a great day in the field. In fact, the Friday crew did such a great job, the Saturday crew was able to finish the planting by lunch. It was great fun, and we appreciate everyone's participation. Consider joining us next year!

Pennsylvania Parks & Forest Foundation (PPFF) Award—On May 14, a group of old and new PFA officers accepted the 2024 Cliff Jones Keystone Legacy Award from our good friends and forest partners at PPFF. We are truly humbled to receive this award alongside so many incredible award recipients at the ceremony. You can see all the good work PPFF is doing to engage and assist in the stewardship of Pennsylvania's state parks and forests at <https://paparksandforests.org>.

As you read this article, we are well on our way to summer, and I trust you are enjoying the time outdoors, gardening,

boating, hiking, campfires or whatever says SUMMER to you! I hope that you, along with family and friends, can enjoy some of the unique opportunities that Pennsylvania has to offer. Below are just a few ideas for forestry fun and education....emphasis on the FUN!

Ned Smith Center—Our most recent issue of *Pennsylvania Forests* magazine highlights the 20th anniversary of the Ned Smith Center for Nature and Art located in Millersburg, PA. While the center is focused on Ned Smith and wildlife art, it has so much more to offer on exploring and understanding our natural world. A day or two at the center is guaranteed to excite nature lovers of every age with hikes, exhibits, classes, or just a tranquil place to relax and contemplate. This place is special; take time for a visit, you will thank me later! (Find out more at <https://nedsmithcenter.org>.)

WoodMobile—The Pennsylvania Hardwoods Development Council has a full summer schedule planned for their "Wood Show on Wheels," the WoodMobile. This 34-foot long traveling exhibit provides an interactive experience about Pennsylvania's forests, the wood products industry,

and forest health. Take a minute to find out when it will be near you at https://prdagriculture.pwpca.pa.gov/Business_Industry/HardwoodDevelopmentCouncil/Woodmobile/Pages/default.aspx or search for "Pennsylvania WoodMobile schedule."

Ag Progress Days—August 13-15, PFA will again have a booth at Penn State's Ag Progress Days. Showcasing the latest and greatest in agriculture (and forestry) from around the state and the world, this event draws thousands and features educational programs, current research, and the latest innovations in agriculture. Over 400 exhibitors from across North America will be on hand to educate and demonstrate. There truly is something for everyone to enjoy at no cost for admission. Stop by our booth and say hello! (Learn more at <https://agsci.psu.edu/apd>.)

I hope to see you out and about this summer, 'til then stay cool under the canopy of Penn's Woods!

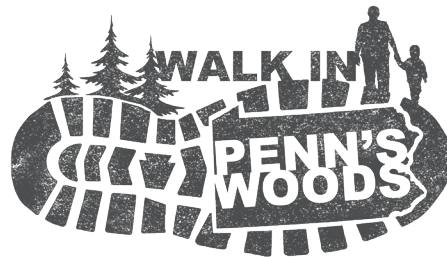
For more information about PFA, visit their website at www.paforestry.org or call 800-835-8065.

Walk in Penn's Woods: Join a Walk Near You on October 6!

Across the state, Pennsylvanians of all ages are invited to get out and join a walk in the woods during the eighth annual Walk in Penn's Woods on Sunday, October 6.

Pennsylvania's woods bring us a wide array of benefits—some values we see clearly; others are a little more hidden. The trees and ground cover provide nutrients for the soil, food and homes for wildlife, clean air and water, wood products that we use in our daily lives, and peace and tranquility for us to enjoy. Walk in Penn's Woods raises awareness about the importance of forests to our lives and the effort that goes into caring for them.

Walks will be happening across Pennsylvania. Some walks will have children's activities; others will highlight managed wildlife habitat or watersheds; you may see the results of harvesting activities or plantings of native trees and shrubs; still others may demonstrate the effects of urban tree cover or riparian buffers. Walk in Penn's Woods also features sites with wheelchair and stroller accessible walks.



For more information about this year's event, including hosting a walk, walk locations, times, descriptions, and more, check out www.walkinpennswoods.org. The website is updated as new walks are added, so keep checking up until the event.

The 2024 Walk in Penn's Woods partnership, led by the Pennsylvania Forestry Association, includes the James C. Finley Center for Private Forests, Penn State Forestry and Wildlife Extension, Pennsylvania Department of Conservation and Natural Resources, Pennsylvania Forest Stewards, the Pennsylvania Chapter of the Association of Consulting Foresters, the Pennsyl-

vania Sustainable Forestry Initiative, the Pennsylvania Parks and Forest Foundation, and Keep Pennsylvania Beautiful. These partners invite you to participate by hosting a walk, volunteering at a venue, being a mentor, demonstrating a skill, showcasing your stewardship, contributing, and sharing posts on social media to help get the word out! And don't forget to take to Penn's Woods on Sunday, October 6!



Walk in Penn's Woods participants learn about collecting a tree core sample in Hartley Wood. Photo by Barb Sellers.

At the Finley Center: Sharing Highlights of 2023

By Allyson Muth, Director, James C. Finley Center for Private Forests at Penn State

Every late fall and winter, the staff at the James C. Finley Center for Private Forests at Penn State compile reports to share with funders the accomplishments of the year under the metrics described in our grant proposals. Despite the formality of these reports, we're always blown away by the quantity and quality of the work, and the reports continuously emphasize the role that so many of our partners play in our success.

Once the formal reporting season is over, we turn our attention to telling the overarching story of the preceding year in a visually engaging way through the creation of our annual report. The 2023 Finley Center Annual Report is hot off the presses, and available online at <https://ecosystems.psu.edu/private-forests-annual-report>. Check it out if you're interested in seeing the work.

You'll find highlights of our research efforts, lessons learned, and new materials created as a result of that research around conservation-based estate planning and Pennsylvania forest landowner values, attitudes, and behaviors. There are stories of student engagement and upcoming research projects that we're looking ahead to.

You've seen us mention the Pennsylvania Forest Stewards peer volunteer program, a program focused on sharing a message of good forest stewardship and connecting landowners to resources



THE JAMES C. FINLEY CENTER FOR PRIVATE FORESTS

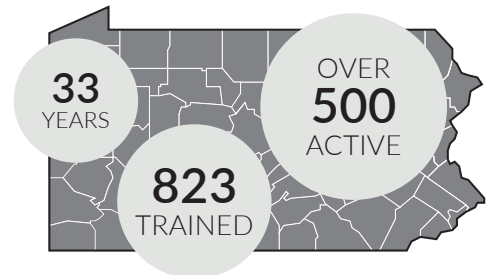
professionals. If you don't know already, the annual report is another way to learn more about the PA Forest Stewards, read the stories and activities of those engaged with the program, and check out the metrics of their impact.

There are highlights from our 2023 Forest Landowners Conference (and teasers for our 2025 event—mark your calendars for March 6-8, 2025 for the next Biennial Conference and Penn State Extension's Forest Health Briefing—see the save the date information below!) and the various social media and professional access we're working to cultivate.

You can also find stories of the ways in which the Finley Center works with partners and the ways those partners have influenced the work. And, as for all organizational annual reports, there are the financials and staff listings—you can put faces to our names. Also included is a long list of the amazing folks who have supported the Center through their giving and in support of the conference. We're grateful to all who share of themselves

and their resources to support helping people care well for their woodlands.

We hope you'll check it out, and let us know if you have any questions about what we do.



Since 1991, the Pennsylvania Forest Stewards program has trained over 800 volunteers to be the "boots on the ground" across the state, providing help to forest landowners as they care for their land. Photo by Barb Sellers.

We're teaming up to bring you TWO events back-to-back in 2025!

THURSDAY, MARCH 6

Forest Health, Insect, and Disease Briefing



PennState Extension

FRIDAY AND SATURDAY, MARCH 7 AND 8

6th Biennial Forest Landowners Conference

THE JAMES C. FINLEY CENTER FOR PRIVATE FORESTS

at The Penn Stater Hotel and Conference Center
State College, PA

3 DAYS. 2 EVENTS. 1 VENUE.

THURSDAY, MARCH 6

Penn State Extension's full-day Forest Health Briefing, evening reception, and Exhibit Hall.

FRIDAY, MARCH 7

The 6th Biennial Forest Landowners Conference featuring multiple concurrent learning sessions, two keynote speakers, Exhibit Hall, and an evening banquet.

SATURDAY, MARCH 8

Morning in-depth tours and workshops, family-friendly activities.

REGISTRATION OPENS THIS FALL.
STAY TUNED!



Upcoming PA Forests Webinars



PA FORESTS WEB SEMINAR CENTER

<https://extension.psu.edu>

The Pennsylvania Forests Online Web Seminar series is held September through June on the second Tuesday of each month, at 12 p.m. and 7 p.m. Webinar topics are geared toward private forest landowners as well as the general public. Webinars are free; registration is required.

Upcoming webinar topics:

At press time, the fall schedule for the Pennsylvania Forests webinar series was not yet posted.

Topics for September 10 and October 8 will be released later in the summer; check the Penn State Extension website (and type Pennsylvania Forests Seminar in the website's search bar) for the latest information on upcoming presentations.

Woods and Wildlife News and Notes: The Latest News from the Forestry and Wildlife Extension Team

Penn State Extension's team of Forestry and Wildlife experts publishes an e-newsletter, *Woods and Wildlife News and Notes*, containing the most recent information, events, demonstrations, partnerships, and activities coming from the team. *Forest Leaves* shares the titles and thumbnails of select articles and videos with you each quarter.

If you want to check out any of these articles and videos, it's easy! Go to <https://extension.psu.edu> and type the title listed below in the search bar.

This issue's articles:

Forest Snapshot May 2024

This bi-monthly article is a collection of forest health observations, plant and animal phenology, important upcoming dates, and hunting season changes. May's snapshot focuses on common buckthorn and glossy buckthorn, two increasingly common invasives in Pennsylvania.

Mysterious Holes in Trees

Sapsuckers bore holes through the bark of trees in order to feed on the sap that comes out of the holes and the insects that are attracted to the sap. The holes they make are in a distinct pattern, in parallel lines around the tree.

What is Spalted Wood?

Rotting wood, if found at the right time, can sometimes produce magnificent pieces of art.

Pennsylvania Timber Market Report, First Quarter, 2024

Stumpage prices as reported by Pennsylvania timber and logging companies, forestry consultants, and state land management agencies to Penn State.

This issue's videos:

Pennsylvania's Forest Stewards Volunteers

Pennsylvania's Forest Stewards volunteers freely assist private woodland owners and the public in understanding forest and wildlife management and care.

Deer Keds: Blood Thirsty Bugs

Deer keds are flies that are generally encountered in the fall and feed mostly on the blood of deer. They are often mistaken for deer ticks and cause some concerns.

Service Forester Assistance for Forest Landowners

Forest landowners needing unbiased assistance managing their property should contact their county's service forester. They work for PA DCNR Bureau of Forestry, and their help is free.

High Grade Timber Harvesting Bad News for Forest Landowners

High grading is a non-professional type of timber harvesting that removes the best, most valuable trees and degrades forests. It is practiced under several names including diameter cutting, select, or selective cutting.

Requesting the *Woods and Wildlife News and Notes* newsletter's delivery to your personal inbox involves the same opt-in process you may have already used to communicate your areas of interest among the full suite of Penn State Extension offerings. To make sure you are on the distribution list, visit the Penn State Extension website to manage your email preferences (<https://extension.psu.edu/forestry-team-sign-up>), and select any of the "Forest and Wildlife" topic areas of interest.

FOREST LEAVES Summer 2024

Editors:

Allyson Brownlee Muth
Jeff Osborne
Barb Sellers

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Calendar contributions and news items are welcome. Submissions for the next hardcopy issue of *Forest Leaves* are due:

September 15, 2024

Forest Leaves Publication Partners include:

- The Pennsylvania Forest Stewardship Program administered nationally by the USDA Forest Service under the direction of the PA DCNR Bureau of Forestry in conjunction with the Center for Private Forests and Penn State Forestry and Wildlife Extension.
- PA DCNR Bureau of Forestry www.dcnr.pa.gov/about/Pages/Forestry.aspx
- The PA Tree Farm® Program www.paforestry.org/treefarm
- The PA Forestry Association www.paforestry.org
- The PA SFI Implementation Committee www.sfiopa.org
- Penn State College of Agricultural Sciences
- The James C. Finley Center for Private Forests ecosystems.psu.edu/research/centers/private-forests
- Penn State Extension extension.psu.edu

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Where trade names appear, no discrimination is intended, and no endorsement by the Penn State College of Agricultural Sciences is implied.

The Pennsylvania State University encourages qualified persons with disabilities to participate in its programs and activities. If you anticipate needing any type of accommodation or have questions about the physical access provided, please contact the James C. Finley Center for Private Forests at 1-814-863-0401 in advance of your participation or visit.

This publication is available in alternative media on request.

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Forest Leaves

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Summer 2024

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PennState Extension

We welcome your letters, ideas,
and contributions! Send them to
the address shown above.

NEXT DEADLINE:
September 15, 2024

New Publication Provides Guidance in Choosing Seed Sources

As any experienced forester or landowner will attest, choosing the appropriate seed sources is extremely important. A seed source that is genetically well adapted to the planting site's climate and environmental conditions is critical to ensure planting success and future forest productivity.

A new publication, *Climate-Smart Seed Sourcing for Resilient Pennsylvania Forests*, based in the work of researchers at Penn State and the USDA Forest Service and many, many partners, provides guidance on resource management decision-making to support current planting goals and create conditions for sustainable forest establishment under future climate conditions.

You can find a PDF of this resource at <https://ecosystems.psu.edu/seed-sourcing>. To request a printed copy, email PrivateForests@psu.edu or call 814-863-0401.



Forest Leaves Calendar of Events



Friday, September 13, 8:30 AM – 3:30 PM. Sustainable Forest Management for Private Landowners Southwestern Region Tour: Ohiopyle State Park and adjacent SGLs 51 and 111.
<https://www.surveymonkey.com/r/BQ2Q827>

Saturday, September 21, 8:00 – 10:00 AM. Bird Walk with Joe Gyekis. Chicory Lane Farm, Spring Mills, PA.
<https://ecosystems.psu.edu/research/centers/private-forests/events/chicory-lane-farm-bird-walks-with-joe-gyekis-1>

Saturday, September 21, 8:00 AM – 4:00 PM. Foundation For Sustainable Forests: Loving the Land Through Working Forests Conference. Northwestern REC Community Forest, Cambridge Springs, PA.
[FoundationForSustainableForests.org/events](https://www.FoundationForSustainableForests.org/events)

Sunday, October 6. Walk in Penn's Woods. Organized walks will take place across the state throughout the day. Check the Walk in Penn's Woods website to find a walk near you.
www.walkinpennswoods.org



For the most up-to-date listing and to learn more about events listed here, visit:

ecosystems.psu.edu/research/centers/private-forests/events

If you have an event to share, send information to Jeff Osborne, jao5194@psu.edu.