

The Citizen Forester

AUGUST 2017
NO. 205

Trees Get a Sip during Drought

By **Jonathan Gottsche** Last year seemed bone dry, and I wasn't alone seeing that. Throughout the Bay State and much of the nation, dry conditions spurred communities to enact water conservation measures. Limited rainfall produced parched conditions that reached historic levels.

As that happened, I gathered together with a Northampton Urban Ecological Stewardship (UES) group to form an organization that would support the local Tree Warden and Public Shade Tree Commission to cooperatively support their goals. We talked about organizing a non-governmental organization that would benefit the public shade tree resources of Leeds, Florence, and Northampton. We decided to call the effort "Tree Northampton" and looked at the modest goal of "Public Service to the Canopy."

Early in the season, our interest focused on public education, asking how we could help improve shade tree health and planting efforts. As the season dried up, we also became concerned about saving last year's and the more recently planted trees.

measures for watering newly planted trees. The City actions included placing gator bags ("soaker watering bags") on newly planted trees and having watering staff and a watering truck service the soaker bags. These actions were critical and likely saved much of the new crop of public shade trees.



Watering bag

With the City moving forward, Tree Northampton also made a quick response for drought-stricken trees. We know a spot on the tree belt is a pretty tough address. And water is at the top of the list of needs for new plantings. Our solution, no pun intended, would be a quick and easy project for almost any volunteer, whether arboreal enthusiasts, homeowners, or youth group, looking to earn credits towards public service. We know that concerned citizens will seek to understand and will lend a hand where shade trees make a difference. Look to your community to find the sapling soakers where they are needed most.

Jonathan Gottsche is a founding member of Tree Northampton.

Tree Northampton Website:
<http://www.treenorthampton.org/>

Up Ahead:

Watering	
Trees	1-2
Species	
Spotlight	3
Growing on	
Trees	4-7
Grants	5
Webcasts	6
Growing	
Greener	7
Gleanings	8
News	9
On the	
Horizon	10

During the dusty summer, we examined many aspects of how ordinary people could help address the needs of the public shade tree assets and of our Tree Wardens, as these resources represent high value to the community. During heady discussions of outreach, organizational design, volunteer development, and training (typical establishment trap-pings), something very basic was missing. Water! A drought was afflicting the area.

The City of Northampton took control and cancelled new tree plantings and deployed resources and

* Soaker bag tips. It seems dry soaker bags can retain water if not "primed." To prime the bag, fill about half way and "pop" the bag. This is accomplished by lifting the bag up a few inches and popping it up and down a few times until you see beads of moisture appear on the outside of the bag. You've just opened the pores and allowed water to be released. Another tip on the hot dry days is to moisten the mulch beneath the soaker bag. That allows moisture to be carried easily to the root bed.

Create Your Own Sapling Soaker



Wash and sanitize repurposed barrels. Three of these barrels were originally for pickle brining; the others were rain barrels.



We assembled a few common components: 2000 Watt / 15 Amp portable home generator, a submersible utility pump 15 amp @ 373 gal./hr., 75 feet of 3/4" garden hose, two segments of 2" X 12" lumber that fit within the pickup bed to provide load stabilization, and a few traffic cones deployed when in operation. We also carried high visibility vests, a simple tool/repair kit, note pad/pencil, towels, and water bottles.



We filled the barrels and proceeded to water the City's newest tree belt shade trees.

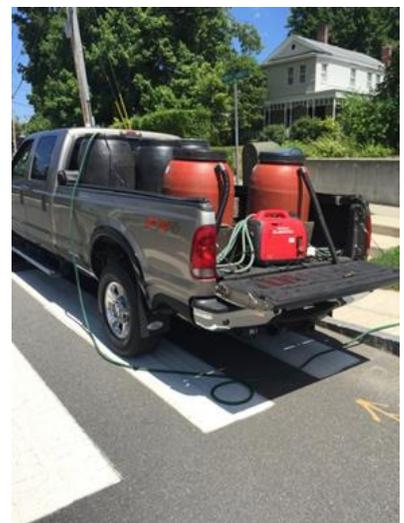
Here's our straight-forward answer to trees facing the drought: With a few simple tools, we converted a pickup truck into a first-class DIY watering truck: The Sapling Soaker



We placed one end of the hose into a soaker bag.



The other end of the hose was attached to our pump that we dropped into a water-filled barrel. It was a really dry season. Notice how quickly the water evaporated from the barrel sidewall.



A quick plug into our generator, and with a sharp pull, we were in business. It only took a few minutes to fill a soaker bag.

Species Spotlight—Leatherwood, *Dirca palustris*

By **Mollie Freilicher**

Community Action Forester

Leatherwood is a shrub native to the eastern United States and southeastern Canada. Where it occurs naturally, leatherwood is found in rich, mesic sites in deciduous woodlands. It is a small shrub, reaching heights of three to six feet, with a similar spread. It is hardy in USDA Zones four to nine.



Leaves of leatherwood, some of the first out in the spring, are alternate, simple, and elliptic to obovate, and entire. They are two to four inches long and half as wide. The petiole is short, about 1/8 inch long. They are a light to medium green above and lighter below during spring and summer and turn yellow in the fall.

Buds are dark brown with four bud scales. The U-shaped leaf scars nearly encircle the buds, making them look like little volcanoes or ragged Hershey's kisses. Twigs are light brown with white lenticels and are very flexible. This flexibility is where the common name, leatherwood, comes from. The twigs and bark are very hard to break and can even be tied into knots.



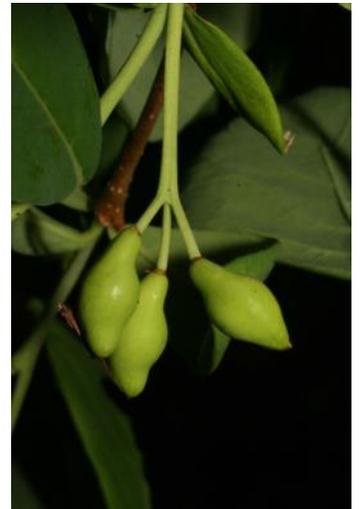
The flowers of leatherwood are small, but ornamental, and their bloom time is in mid-April, before the leaves emerge, which also makes them stand out. The flowers are perfect and yellow, with three to four flowers in an inflorescence. The fruit is a small drupe, one-third to one-half an inch long, which will change from green to white to red as it matures.

Leatherwood does best in moist, shady sites, with lots of organic matter. Dirr reports that leatherwood does not have serious pest or disease issues, but it will become stressed in dry conditions.

It is a good native addition to the plant palette for shady, natural sites in parks or other areas. Leatherwood is one of the plants Doug Tallamy lists for New England in *Bringing Nature Home*. Deer avoid leatherwood, making it a good choice for locations where damage from deer browsing is an issue.



Photos: Leaves: Virginia Tech; Buds: Bruce Patterson, NEWFS [GoBotany](http://www.gobotany.com), Flowers: Mollie Freilicher; [Immature fruit](http://www.gobotany.com) and [Bark](http://www.bioimages.com): Steven J. Baskauf, [Bioimages](http://www.bioimages.com).



References

Dirr, M. A. 1998. *Manual of Woody Landscape Plants*. 5th Ed. Champaign, IL: Stipes.

GoBotany. www.gobotany.com

Rose, N. 2017. All Tied Up. <https://www.arboretum.harvard.edu/all-tied-up/>.

Eastern leatherwood. <http://dendro.cnre.vt.edu/dendrology/syllabus/factsheet.cfm?ID=1013>

Growing on Trees

Registration Now Open for Tree Stewards

October 13-14, 2017, Harvard Forest, Petersham, MA

Each fall, the Massachusetts Urban and Community Forestry Program, the Massachusetts Tree Wardens' and Foresters' Association, and the USDA Forest Service host a training for Tree Board members, tree activists, interested citizens, Tree Wardens, and other green professionals. This Tree Steward Training provides foundation instruction in tree physiology, tree care, and other urban and community forestry issues with the aim of developing better tree stewardship in Massachusetts communities of all sizes.



[Registration Form](#) 

[Sponsorship Letter](#) 

For more information contact Mollie Freilicher mollie.freilicher@state.ma.us 413-577-2966.

Western Mass. Tree Wardens Dinner Meeting

Tuesday, September 26, 2017 | 5:00 7:30 p.m. | Northampton

Get ready to welcome fall! Meet and network with tree wardens, tree companies, and utility arborists from around the region at the quarterly gathering of the Western Mass. chapter. This month's speakers:

Forest Health Update, Ken Gooch, Director, DCR Forest Health

The Road to Northampton's Tree Inventory

Richard Parasiliti, Tree Warden, and Lilly Lombard, Chair, Public Shade Tree Commission

For more information and to register, go to: www.masstreewardens.org

Online Course: Urban Forest Adaptation Planning and Practices

The Northern Institute of Applied Climate Science (NIACS) and USDA Northern Forests Climate Hub are offering the Forest Adaptation Planning and Practices training as an online course for urban foresters and natural resource managers (7, 1.5-hour sessions). Sessions will be biweekly from November 7, 2017 to January 30, 2018.

GEOGRAPHIC FOCUS: Information will focus on urban areas in the Midwest and Northeast, but applicants from other regions are welcome to apply.

REGISTER ONLINE: www.forestadaptation.org/UrbanFAPP-online

CEUS: This course is eligible for ISA and SAF continuing education credits.

There is no registration fee thanks to support from the US Forest Service and USDA Northern Forests Climate Hub.

Grant Opportunity:

National Science Foundation- Environmental Sustainability Grants- Proposals Due October 20, 2017

The National Science Foundation's Environmental Sustainability program promotes sustainable engineered systems that support human well-being, while also being compatible with sustaining environmental systems. Read more about this funding opportunity [here](#).

Grants

DCR Urban and Community Forestry Challenge Grants

October 1 (Intent to Apply) | November 1 (Full Application)

Challenge grants are 50-50 matching grants (75-25 for environmental justice projects) to municipalities and nonprofit groups in Massachusetts communities of all sizes for the purpose of building local capacity for excellent urban and community forestry at the local and regional level.

The USDA Forest Service provides funding for the grant program, and DCR administers the grants with guidance from the Massachusetts Tree Wardens’ and Foresters’ Association.

Project areas include:

- ◆ Building and Strengthening Citizen Advocacy and Action Organizations
- ◆ Securing or Training Professional Staff
- ◆ Developing and Implementing Systematic Urban Forestry Management through tree inventory and analysis, resource assessment, and development of plans
- ◆ Attaining a Tree City USA Award, Growth Award, Tree Campus USA Award, or Tree Line USA Award
- ◆ Completing strategic community tree plantings and “heritage” tree care projects
- ◆ Other projects

The DCR Urban and Community Forestry Program assists communities and nonprofit groups in their efforts to protect and manage community trees and forest ecosystems, with the ultimate aim of improving the environment and enhancing the livability of all of Massachusetts’s communities.

Funding for strategic tree planting grants is now tiered:

Grant Funding Request for Tree Planting	Eligibility
\$1,000 - \$7,000	All communities may apply
\$7,001 - \$20,000	Community must be a Tree City USA
\$20,001 - \$30,000	Contact DCR Urban and Community Forestry to discuss

Download our recently-revised grant application at:

<http://www.mass.gov/eea/agencies/dcr/conservation/forestry-and-fire-control/urban-and-community-forestry-challenge-grants.html>

For more information on the Challenge Grants, including our Eversource Go Green grants and National Grid Partnership Grants, contact Julie Coop at 617-626-1468 or julie.coop@state.ma.us or Mollie Freilicher at 413-577-2966 or mollie.freilicher@state.ma.us.

Massachusetts Forest Legacy is Seeking Applications

The Massachusetts Forest Legacy Program is now accepting project proposals for consideration in the Federal Fiscal Year 2019 application process. The Forest Legacy Program is a partnership between the Massachusetts Department of Conservation and Recreation and the USDA Forest Service to protect environmentally important forests from conversion to non-forest uses. The Federal Government may fund up to 75% of project costs, with at least 25% coming from private, state, or local sources. The MA Forest Legacy Program FY 2019 Request for Proposals application instructions are posted [here](#). Additional background information on the Forest Legacy Program is available [here](#). Proposals must be submitted by 5:00 pm on September 11, 2017.

For more information, please contact Lindsay Nystrom, MA Forest Legacy Program Coordinator at lindsay.nystrom@state.ma.us or 508-792-7714 x114.

Growing on Trees—Webcasts and Events

Urban Forest Connections

The USDA Forest Service's Urban Forest Connections webinar series brings experts together to discuss the latest science, practice, and policy on urban forestry and the environment. These webinars are open to all. Past webinar presentations and recordings are available [here](#).

Next webcast: September 13, 2017 | 1:00-2:15 p.m.

Adapting Landscape Plants, Policies, and Management to a Water-Limited Future

To access the webinar, go to <https://www.fs.fed.us/research/urban-webinars/>.



EPA Green Infrastructure Webinar Exploring the Link between Green Infrastructure and Air Quality

August 9, 2017 | 1:00-2:30 p.m. (Eastern)

Attending the webcast is free, but [registration](#) is required. Find out more about this webinar [here](#).

EPA Stormwater Calculator Webinar

August 23, 2017 | 3:00-4:00 p.m. (Eastern)

Register [here](#). Additional information and webinar recordings can be found:

<https://www.epa.gov/research/epa-tools-and-resources-webinar-series>

Urban Forestry Today Webcast

August 31, 2017 12:00 p.m. – June 12, 2017 1:00 p.m. (Eastern)

Planting for Success: Innovation in the Urban Environment

David Lefcourt, City of Cambridge, MA

To attend live, go to: www.joinwebinar.com and enter the ID code: 243-058-643.

This broadcast is free and will offer the opportunity to earn 1.0 ISA CEU and 0.5 MCA credit.

For more information, contact:

[Rick Harper](#), Department of Environmental Conservation, University of Massachusetts Amherst

The Urban Forestry Today 2017 Webcast Series is sponsored by the University of Massachusetts Department of Environmental Conservation, in cooperation with the USDA Forest Service, Massachusetts Department of Conservation and Recreation, University of Massachusetts Extension, and Massachusetts Tree Wardens' & Foresters' Association.

New England Chapter ISA Annual Conference

October 1 -3, 2017 | Southbridge, MA



Please join us for the New England Chapter International Society of Arboriculture Annual Conference & Tradeshow in Southbridge, MA. Dr. Ed Gilman will be this year's keynote speaker. Hear the latest in arboriculture in New England and network with the region's arborists. Earn CEUs and pesticide credits. For information on registration, go to the New England ISA [website](#).

From the New England Wildflower Society

[Find out more](#)

Native Woody Plant Materials – August 30
Native New England Shrubs – September 7
New England Plant Diversity: Session 1 – September 24
Plant Form and Function – September 28
Framework Trees of New England – October 3
Invasive Plants: Identification, Documentation, and Control – October 20
Betulaceae Family – October 23
Bare Trees and Naked Shrubs – November 4
Live Webinar: Choosing Native Trees for Your Landscape – November 8

From the Arnold Arboretum

Learn to Observe: Tree Spotters Citizen Science – September 9
Introduction to Botany – Starting September 19 (with New England Wildflower Society)
Plant Combinations for Beneficial Home Landscapes – September 27

[Find out more](#)

From UMass Extension Landscape and Forest Tree and Shrub Disease Workshop

September 23, 2017 | 9:00 a.m. - 3:30 p.m. | UMass-Amherst

Join Nick Brazee, UMass Extension Plant Pathologist, for this workshop where participants will gain hands-on experience with many important landscape and forest diseases of trees and shrubs. For more information, go to: www.umassgreeninfo.org and click "Events."

Growing on Trees

Annual Town Forest Event – Sheffield

Saturday, September 23, 2017, 9:30 a.m. – 4:00 p.m. | Sheffield Town Park, Sheffield

A family-friendly Celebration of the Town of Sheffield for Berkshire County residents, Community Groups, Natural Resource Professionals, and Environmental Educators. This event aims to highlight and inspire other communities of the values of sustainable community forestry in Massachusetts.

Participants will have the opportunity to partake in Guided Field Tours that will give an overview of Sheffield Town Forests and include visits to local businesses that use wood products.

Find out more on the [DCR website](http://www.dcr.state.ma.us).



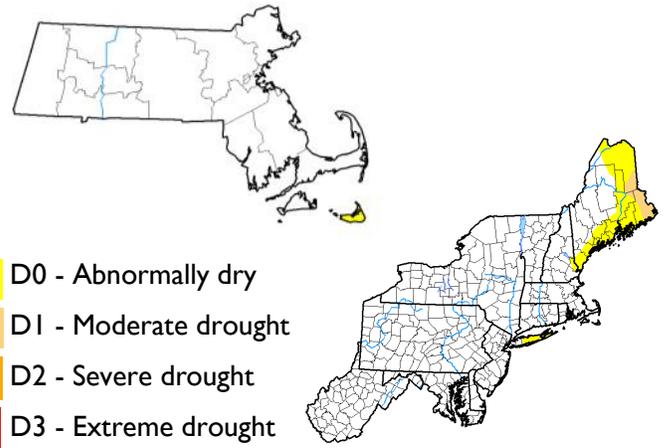
Drought Monitor

Conditions as of August 1, 2017. In Massachusetts, Nantucket is classified as abnormally dry. The rest of Massachusetts is out of drought status.

We are also zooming out a little bit to give the fuller picture of conditions in the Northeast

<http://droughtmonitor.unl.edu/>

www.mass.gov



Growing Greener—in Milton

The Town of Milton was recently awarded a DCR Urban and Community Forestry Challenge Grant in the amount of \$3,500 to conduct a strategic tree planting. The Milton Shade Tree Advisory Committee and the Department of Public Works will work together on the project. The Committee has a list of recommended street trees for Milton, and the DPW has planting locations scouted out. For information on the DCR Urban and Community Forestry Challenge Grant, click [here](#).

From the Massachusetts Tree Wardens' and Foresters' Association NEW! Qualified Tree Warden Training Course

This six-module course is designed to teach tree wardens what they need to know to fulfill their duties. Upon completion, this course will provide tree wardens with a new qualification. Topics include, plant ecology, botany, soils, tree identification, tree laws, working with utility arborists, funding your program, budgeting and contracting, ANSI A300, working with the community, storm preparation, Tree City USA, tree inventories, planting and design, plant health care, construction zone management, tree risk evaluation, decay and structural support in trees, and MORE!

Sessions will be held once a month October - December 2017 and March - May 2018 in Westwood (with one session to be held in Acton). Sessions will run from 9:00 a.m.-3:30 p.m. Information will be posted soon on the [Mass. Tree Wardens' and Foresters' Assoc. website](#).

THE CITIZEN FORESTER

Gleanings

EPA Is Excited To Announce the Public Launch of the Water Finance Clearinghouse!

Communities need easy and efficient access to water infrastructure finance information. EPA's Water Infrastructure and Resiliency Finance Center has developed a Water Finance Clearinghouse to meet this need. The Clearinghouse is an easily navigable web-based portal to help communities locate information and resources that will assist them in making informed decisions for their drinking water, wastewater, and **stormwater infrastructure** needs.

The Clearinghouse features two searchable data sets: one focused on available Federal, State, and local funding sources for water infrastructure and the second will contain Resources, such as reports, tools, webinars etc. on financing mechanisms and approaches.

The Clearinghouse is updated in real-time, following a crowdsourcing model. States, federal agencies, and other water sector stakeholders have the ability to suggest edits, new resources or funding options at any time through the Contributor Portal. Stakeholders can use this interactive feature to manage how their programs and initiatives are displayed in the Clearinghouse.

Website: <https://www.epa.gov/waterfinancecenter/water-finance-clearinghouse>

EPA Announces 2017 Campus RainWorks Challenge

EPA is pleased to announce the rules for the 6th annual Campus RainWorks Challenge, a design competition open to U.S. colleges and universities. EPA seeks to engage undergraduate and graduate students in designing innovative green infrastructure for stormwater management to showcase the environmental, economic, and social benefits of green infrastructure practices.

Stormwater pollution is a problem that is growing in scope and magnitude. Communities need planners, designers, engineers, and other professionals to create resilient and affordable infrastructure solutions for stormwater management. EPA's Campus RainWorks Challenge invites the current generation of scholars to lend their creativity, knowledge, and energy to become part of the solution. Registration opens on **September 1!**

2017 Campus RainWorks Challenge Calendar:

- Registration: September 1 - 30, 2017
- Deadline for Entries: December 15, 2017
- Winners Announced: Spring 2018



Please see <https://www.epa.gov/campusrainworks> and this year's 2017 Campus RainWorks Challenge competition brief for more information.

Alive Since The 1600s, An Oak Tree Is Taken Down In Washington, D.C.

By **Bill Chappell**

June 29, 2017—Generations have come and gone under its branches. Its leaves soaked up rays from the sun that shone on the American Colonies. But after an estimated 325 years of life, an oak tree in a residential neighborhood in Washington, D.C., has now fallen victim to time.

Dana Ju, whose young family had been the latest to play under the tree's broad canopy on Washington's Floral Street, says they're "very sad about the tree but feel very fortunate we were not inside our home when it fell."

The red oak had grown to a height of 75 feet, and it seems that its size might have been its undoing. After a crack formed in its massive trunk, arborists determined there was no way to save the tree — and even before crews could begin dismantling it, part of the tree broke off. By then, Ju and her family had moved out temporarily, and neighbors had moved their cars as a precaution. Read the full story on npr.org.

News

Pitched Battle: Turpentine Beetles Vs. Pitch Pines By Remmy Waegelein

June 30, 2017— Pitch pines grow everywhere on Cape Cod, from sandy soil on the coast to the inland woods and every place in between.

Although they might not be the prettiest tree on the peninsula, the indigenous pines serve a vital role in the Cape ecology, providing food and shelter to countless animals and insects. According to Sandwich Tree Warden Justin O'Connor, pitch pines grow well on the Cape due to the sandy, acidic soil—unlike hardwoods, which prefer a more nutrient-rich soil climate. The fast growth of the pitch pine also helps it outcompete the slower-growing hardwoods, and their thick bark helps protect the pines against fire.

But when pitch pines begin to decline, they attract an unwanted pest: the black turpentine beetle. The beetle attacks vulnerable pines, hastening their demise. Read the full story at the [Mashpee Enterprise](#).

Warwick Town Forest Expansion Will Protect Black Gum Trees

By Mary C. Serreze

July 23, 2017— This Franklin County hilltown hosts a rare black gum swamp, and now the plant habitat will be protected. State Senate President Stan Rosenberg, D-Amherst, on Friday announced \$100,000 to expand the Warwick Town Forest by 97 acres, ensuring that the tree species and its surrounding ecosystem will prosper. Black gum, also known as black tupelo or sourgum, tends to grow in acidic peat bogs, often alongside red maples. The slow-growing tree with furrowed bark produces small flowers and a tiny sour fruit. However, it generally reproduces through root and stump sprouts. Some of the trees can be 300 to 500 years old, [according to](#) the Massachusetts Division of Fisheries and Wildlife. Read the full story at [MassLive.com](#).

News Headlines in Brief

[Mapping Urban Noise](#)

[China's New 'Forest City' Will Make You Rethink Urban Cities](#)

[Trees felled for road construction return to Halifax Common \(Nova Scotia\) as art](#)

[The tree that grew roots — and hope — inside a concentration camp](#)

Wielding Chainsaws for Science

Joint Arboretum and Forest Service program protects trees from pests

By Alvin Powell

July 18, 2017—On a warm afternoon in Harvard's Arnold Arboretum, John DelRosso embarked on a task that was part detective work, part tough love, and reached for his chainsaw.

He was 40 feet up in a 137-year-old maple whose thin crown and dying branches attested to the fact that it had seen better days. DelRosso pruned away dead branches, then focused his attention on living wood, cutting branches that to the layman might seem fine, but to the chief arborist's eye bore tiny holes that spoke of infestation.

But infestation with what? An hour later, the branches were a mile away in Roslindale, safely sealed in a barrel, where they will stay for the next two years. Over that time, insects within the wood will develop, emerge, and fall into an attached liquid trap, where forest managers and scientists can collect and identify them.

The barrel is among 48 resting on racks in an otherwise unremarkable garage, next to stacked lumber, snowplows, and other off-season equipment for the Arboretum. It is part of a partnership between the Arboretum and the U.S. Forest Service that is unusual because it has put two organizations that typically fight forest pests into the business of rearing them.

By storing suspect branches and logs in closed containers, the program aims to take the guesswork out of identifying so-called "cryptic borers," insects that do their damage hidden beneath the bark before emerging as a new generation of adults. Read the full story at the [Harvard Gazette](#).

[Southeast Urban Wood Exchange invites businesses to be part of online directory](#)

[Greening The City—A Measurement for a Mindful Environment](#)

[Seeing the Forest through the Trees With a New LiDAR System](#)

[Researchers Unveil New Hyper-Local Air Pollution Map](#)

On the Horizon

- Jul 29-Aug 2** ISA Annual International Conference, National Harbor, MD, www.isa-arbor.com
- Aug 2** Mass. Certified Horticulturalist Exam, Elm Bank, Wellesley, www.mnla.com
- Aug 8-10** Bark Beetle Identification and Related Topics Training, www.umassgreeninfo.org
- Aug 9** [EPA Green Infrastructure Webinar](#), 1:00 p.m. (Eastern),
- Aug 15** Common Massachusetts Tree Pests and Threats, Florence, <http://www.treenorthampton.org/>
- Aug 31** Urban Forestry Today Webinar: Planting for Success, www.joinwebinar.com, code: 243-058-643.
- Sept 6-8** TRAQ Course, N. Attleboro, www.newenglandisa.org
- Sept 14** Webinar: Drought and Invasive Species, <http://www.climatewebinars.net>
- Sept 21** Southeastern Massachusetts Tree Wardens Association Annual Field Day & Equipment Show, Plympton, www.masstreewardens.org
- Sept 23** MA Town Forest Event, Sheffield
- Sept 23** Landscape and Forest Tree and Shrub Disease Workshop, Amherst, www.umassgreeninfo.org
- Sept 26** Western Mass. Tree Wardens Dinner Meeting, Northampton, www.masstreewardens.org
- Sept 26** MAA Dinner Meeting, Framingham, www.massarbor.org
- Sept 26-27** Trees & Utilities Conference, Kansas City, MO <http://www.treesandutilities.org/>
- Oct 1** ISA Exam, Southbridge, www.newenglandisa.org (Registration deadline: September 14)
- Oct 1-3** New England Chapter ISA 51st Annual Conference and Trade Show, Southbridge, www.newenglandisa.org
- Oct 5** Mass Green Careers Conference, Westborough, <http://www.massgreencareers.org>
- Oct 6** MCA Exam, Wellesley, www.massarbor.org
- Oct 13-14** MA DCR Tree Steward Training, Harvard Forest, Petersham. [More information.](#)
- Oct 15-20** SMA's Municipal Forestry Institute, Cornwall, Ontario, Canada, www.urban-forestry.com
- Oct 19** [Southeastern Mass. Tree Wardens Dinner Meeting](#), Plymouth
- Oct 24** MAA Safety Saves and Dinner Meeting, Wellesley and Framingham, www.massarbor.org
- Nov 7 – Jan 30** [Online Course: Urban Forest Adaptation Planning and Practices](#)
- Nov 13-14** Society of Municipal Arborists Annual Conference, Tulsa, OK, www.urban-forestry.com
- Nov 15-16** Partners in Community Forestry Conference, Tulsa, OK, www.arborday.org/programs/pcf/

The Citizen Forester is made possible through a grant from the USDA Forest Service Urban and Community Forestry Program and the Massachusetts Department of Conservation and Recreation, Bureau of Forestry.

Bureau of Forestry
Department of Conservation and Recreation
251 Causeway Street, Suite 600
Boston, MA 02114

Julie Coop, Urban and Community Forester
julie.coop@state.ma.us, 617-626-1468

Mollie Freilicher, Community Action Forester
mollie.freilicher@state.ma.us, (413) 577-2966

www.mass.gov/dcr/urban-and-community-forestry

Charles D. Baker, Governor
Karyn E. Polito, Lieutenant Governor
Matthew A. Beaton, Secretary, Executive Office of Energy and Environmental Affairs
Leo Roy, Commissioner, Department of Conservation and Recreation
Peter Church, Director of Forest Stewardship, Department of Conservation and Recreation

If you have a topic you'd like to see covered or want to submit an item to *The Citizen Forester* (article, photo, event listing, etc.), contact [Mollie Freilicher](#) or click [here](#).

Subscribe? Unsubscribe? You are receiving this because you have requested to receive *The Citizen Forester*. If this is an error or you do not wish to receive this newsletter, please email mollie.freilicher@state.ma.us. To sign up, click [here](#).



The Department of Conservation and Recreation prohibits discrimination in employment on the basis of race, color, creed, religion, national origin, ethnicity, gender, gender identity or expression, age, sexual orientation, Vietnam Era Veteran status, or disability.



Massachusetts Urban & Community Forestry Program

The Citizen Forester