

THE STUMP

INFORMATION BY THE BOARD FOOT

DECEMBER 2018

KNOT THE HOLE NEWS

Tree Health Update - January 29 & 30

The Annual Tree Health Update is coming up. Learn what has been bugging trees the last year and may for the years to come. Which pest is something that needs treated, which do not? What is the next invasive we need to watch for in addition to the others already here or on their way? The seminar is for anyone that works with trees. ISA CEU's and SAF CFE's are requested.

Both days will have identical workshops with only the location being different.



Registration is required for these workshops.

January 29, 2018
1 - 4 PM
Walter Woods Conservation Area
5265 Eland Rd., Joplin, MO

Call 417-629-3434 Extn. 4543 or
email jon.skinner@mdc.mo.gov

January 30, 2018
8:30 - 11:30 AM
Springfield Nature Center
4601 S Nature Center Way, Springfield, MO

Call 417-895-6880 or
email Cindy.Garner@mdc.mo.gov

Tree City USA Application Deadline is December 31, 2018

Tree City USA is an recognition program for communities that meet the four standards of:

- Standard 1. A Tree Board or Department. ...
- Standard 2. A Tree Care Ordinance. ...
- Standard 3. A Community Forestry Program With an Annual Budget of at Least \$2 Per Capita. ...
- Standard 4. An Arbor Day Observance and Proclamation.

If your community has earned recognition in the past or is looking to earn recognition for the first time, now is time to be filling out your application or re-application for recognition. There are two ways to submit an application: 1) use the online system or 2) download the PDF and fill it in and send to the MDC State office.

Learn more about this program and/or apply at: <https://www.arborday.org/programs/treecityusa/index.cfm> or call or email Jon Skinner (417-629-3434, jon.skinner@mdc.mo.gov) for assistance.



White oak *Quercus alba*

White oak, is prized for timber, and its' grand appearance. A deciduous tree with a mature height and width of 50 to 80 feet is an excellent, large tree. Appropriate for medium yards, this strong wooded, medium growing specie adds variety and a statement to the landscape. Preferring acid, moist, well-drained soil it will grow on drier sites. Difficult to transplant, smaller trees are recommended. Red fall color is possible when conditions are right.



Image: MDC

Range map modified from Silvics of North America: Volume 2. Hardwoods - https://www.srs.fs.usda.gov/pubs/misc/ag_654/volume_2/quercus/alba.htm

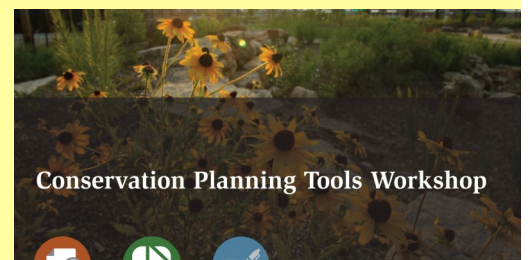
Conservation Planning Tools Workshop Near You

Attendees of the Conservation Planning Tools Workshop will learn about the characteristics embodied by conservation communities. An overview of the planning process will set the foundation for an in-depth discussion on tools that can be used to increase biodiversity, sustainability, and connections to nature in Missouri communities. Planning tools that will be covered during the workshop include:

- Comprehensive Plans
- Zoning
- Ordinances
- Design codes and standards
- Development codes and standards
- Development strategies
- Growth management strategies
- Management plans
- Property rights

Relevant case studies and model ordinances will be included in the training as well as an understanding of other information contained in the reference manual that we won't have time to cover during the workshop. This additional information includes how Missouri communities are classified and what type of planning tools they have the authority to use, sources of data useful for planning purposes, and large-scale applications such as wildlife corridors that may cross over multiple jurisdictions. Everyone who attends a workshop will be given a printed copy of the manual to take with them.

Registration is required at: <https://goo.gl/5hLKco>



Join us from 10:00am-3:00pm to learn more about how you can implement planning tools to benefit your community and nature

November 29, 2018	March 19, 2019
Cape Girardeau	Springfield
December 11, 2018	April 3, 2019
Mountain Grove	Nevada
January 10, 2019	April 10, 2019
Jefferson City	Kansas City
February 5, 2019	May 2, 2019
Maryville	Maryland Heights
February 6, 2019	Kirkville

Lunch will be provided at this free training, and attendees will be given a copy of the new publication Conservation Planning Tools for Missouri Communities: A Reference Manual (pictured left)

brought to you by Missouri State CENTER FOR RESOURCE PLANNING AND MANAGEMENT

To register go to <https://goo.gl/5hLKco>

MISSOURI DEPARTMENT OF CONSERVATION

Nearby Workshops:

March 19, 2019 - Springfield
April 3, 2019 - Nevada
April 10, 2018 - Kansas City

Book Review - Stormwater to Street Trees: Engineering Urban Forests for Stormwater Management

Installing trees in locations that are engineered to retain stormwater is a great way to augment existing stormwater management systems, increasing their capacity and improving water quality while greatly improving urban forest canopy. This guide is an introduction to those engineered systems available, and in use today, that utilize trees to manage a volume of stormwater. These systems, in addition to providing a solution for managing runoff, also grow big trees. Get it at: <https://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=P100H2RQ.TXT>

Pin Oak Kermes scale (*Kermes galliformis*)

Pin Oak Kermes scale may be found on multiple oak species, but favor their namesake pin oak. The scale inserts its stylet into the phloem of the host tree to suck sap. In natural ecosystems, natural enemies, weather, and other environmental factors control the insect. In urban settings, infestations can become a problem. The adult female lays eggs in late August to September. Crawlers hatch in late September to October and move to cervices in the bark to overwinter. In spring, female crawlers move to new growth to become established for feeding and mating. Damage can include twig dieback. Chemical control appears to be best with sprays during the crawler stage or with systemic chemicals.



Bob Bauernfeind,
Kansas State University

December 18

SWMCFC meeting, 8:30 - 10 AM, MDC SW Regional Office, Springfield, MO.

December 18

ISA Certified Arborist, Utility Specialist, and Municipal Specialist Exam, Springfield, MO, Registration deadline Nov. 30, Register at www.isa-arbor.com/certification/becomeCertified.

December 31

Tree City USA applications due.

January 15

SWMCFC meeting, 8:30 - 10 AM, MDC SW Regional Office, Springfield, MO.

January 16 - 18

The Western, Crown Center Exhibit Hall, Kansas City, MO, Information and Registration at: <https://www.wnla.org/page/Western>.

January 16 - 18

64th Annual KAA Shadetree Conference, Ramada Inn, Topeka, KS, Information at: <https://www.kansasarborist.com/shadetree-conference.html>.

January 24

JMCFC meeting, 7 - 9 AM, MDC Shoal Creek Conservation Education Center, Joplin, MO.

January 29

Tree Health Update, 1 - 4 PM, Walter Woods Conservation Area, Joplin, MO, Registration Required call 417-629-3434 or email jon.skinner@mdc.mo.gov.

January 30

Tree Health Update, 8:30 - 11:30 AM, Springfield Nature Center, Springfield, MO, Registration Required call 417-895-6880 or email cindy.garner@mdc.mo.gov.

February 2

ISA Certified Arborist, Utility Specialist, and Municipal Specialist Exam, Kirkwood, MO, Registration deadline Jan. 17, Register at www.isa-arbor.com/certification/becomeCertified.

February 6 - 8

73rd MW-ISA Conference and Trade Show, Hilton St. Louis Frontenac - St. Louis, MO, Information and Registration at: <https://www.mwisa.org/conference-and-trade-show>.

February 11 - 15

TCIA Winter Management Conference 2019, St. Kitts Marriott Resort and Royal Beach Casino, Information and Registration at: <https://wmc.tcia.org>.

February 19

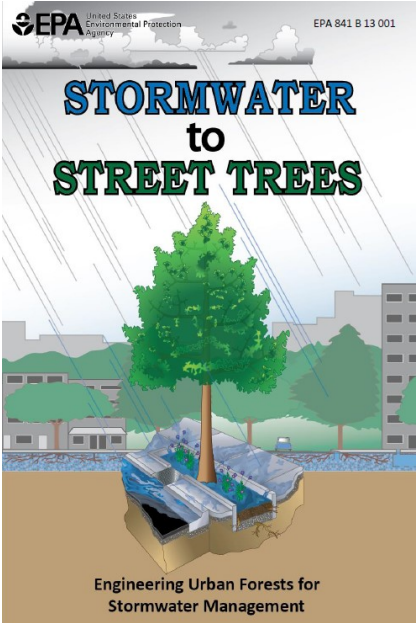
SWMCFC meeting, 8:30 - 10 AM, MDC SW Regional Office, Springfield, MO.

February 19 - 21

63rd Annual ISU Shade Tree Short Course & INLA Trade Show, Ames, IA, Information at: <https://iowanla.org/annual-inla-trade-show/>.

February 28

JMCFC meeting, 7 - 9 AM, MDC Shoal Creek Conservation Education Center, Joplin, MO.



I've learned trees have an amazing ability to dole out justice to the stupid.

- Steve Hollis

WHAT'S HAPPENING

"The Stump" web site: <https://thestumpnewsletter.weebly.com>

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Use of names of commercial products or organizations does not imply an endorsement or recommendation by the Missouri Department of Conservation