

THE STUMP

INFORMATION BY THE BOARD FOOT

JUNE 2018

KNOT THE HOLE NEWS

Summer Tree Care

It has warmed up, trees are in leaf, lawns are being mowed, it must be summer. Summer is a time trees are actively growing and converting energy from the sun through photosynthesis. It is also a time when they can be damaged by insects and disease, drought, and damaged by people. There are some maintenance items you can do to help your trees be as stress free as possible.

Install and maintain a mulch ring around your trees. This is a case where bigger is better. Aesthetic taste also affects how large the mulch ring is. Mulch provides trees with several benefits. It moderates soil temperature keeping soil cooler in the summer and warmer in the winter. This helps roots grow better and be more abundant than compared to under grass. Mulch also helps keep moisture available to the tree. The mulch shades the soil, keeping it cooler lowering evaporation from it and also holds some water in the mulch itself. Keeps competing vegetation away so they are not using water the tree can. Mulch should be installed in a donut shape with the tree in the donut hole. Since mulch holds water, if piled on the trunk it keeps the bark wet which is not designed to be wet all the time. This can lead to decay getting started in the tree. So, think donuts while installing mulch, then go enjoy one.



Young trees, newly planted trees, need extra water. They have not developed adequate roots systems to be able to absorb enough water to thrive or in worst case scenarios survive. Newly planted trees generally need watered for about three years. You should water the entire root system and then a little beyond that. The amount should be around 20 gallons per diameter inch of the tree. The water should be applied all at one time. This will allow the water to soak down through the soil profile. As the soil dries, the roots will be attracted to the deeper water and grow in that direction. If a tree shows signs of wilting between regular watering, provide a little supplemental water. During times of drought, it may become necessary to water large trees. You cannot provide all that they need, but any supplemental water provided will help the tree.


During the year, trees may be attacked by various pests. Many do not do any significant damage to the tree. A few may cause significant damage due to their behavior or the trees' health. Visit and observe your trees regularly. Look for signs of pest activity. There are several good references on the internet from extension services across the country to help identify the likely pest. Once identified, you can learn what it does, if its activity is detrimental to the tree and if so, what to do about it. Keep in mind, healthy trees often fight off attacks by pests on their own. Mulching, and watering appropriately will help a lot.




Keep mowers and string trimmers away from the tree. These pieces of equipment are made to cut grass, but can damage your tree by breaking through the bark. This stops water and sap flow in that area, opens the trunk to possible infection from a pest, and requires the tree to expend energy trying to grow over the damage.

Sell Trees To Your Community

Trees provide a big bang for the buck! They are probably the only asset a community owns that increases in value. You are encouraged to sell trees to your community, not literally, but the idea of investing and caring for trees. There are several free resources to help with this providing information you can share. Here is a short list:


Treeswork.org - this website provides lists of benefits tree provide and links to where the information came from. 

 i-Tree Tools (www.itreetools.org) provides a suite of free software packages, many web based, that allow you to quantify the ecological benefits, assess structure of tree communities, and place dollar values on the benefits trees provide from one tree to all of the trees in a community.

 Green Cities: Good Health

Green Cities: Good Health website (<http://depts.washington.edu/hhwb/>) highlights the various research topics done by Univ. of Washington researchers.

The Landscape and Human Health Laboratory (<http://lhhl.illinois.edu>) shares information of the relationship of greenery (trees included) and human health.

 Landscape and Human Health Laboratory



northern red oak
Quercus rubra

Northern red oak is a valuable tree for both your landscape and for its timber. A deciduous tree with a mature height of 60 to 90 feet and 60 to 75 feet wide. An excellent, large tree for shade, and wildlife habitat. Appropriate for medium to large yards and parks, this strong wooded specie will add variety to your landscape. In heavy crop years, the acorns can become slightly messy as squirrels cannot keep up. The cultivar 'Splendens' is known for its red fall color.



Images: MO Dept of Conservation

Range map modified from Silvics of North America: Volume 2. Hardwoods - <https://www.srs.fs.usda.gov/pubs/1548>

Book Review - Z133 - 2017

The American National Standard for Arboricultural Operations - Safety Requirements, also known as the ANSI Z133 or just Z133, recently completed its 2017 revision. This revision has many changes you should be aware of and incorporate into your operations. Some of the more significant changes deal with electrical hazards; climbing; use of vehicles and mobile equipment including chippers and chipper winches; vehicle weight; wheel chocks; first aid; radio use with cranes; and job site work flow. You can purchase a new copy of Z133 from ISA, TCIA, or other vendor.

Hackberry gall psyllid (*Pachypsylla celtidismamma*)

Hackberry gall psyllid, more commonly called hackberry nipple gall maker, is a very small insect. The adult psyllids lays eggs on expanding hackberry leaves. The young psyllid feed on the leaf which responds by growing the gall over it. The psyllid feeds on plant juices protected in the gall until maturing in the fall. The adults over-winter in bark crevice's and similar places. Thus they sometimes crawl through window screens becoming an annoyance. Control on hackberry is usually not needed, but use of imidacloprid the year before may provide some control.



June 2 - 3

Midwestern Tree Climbing Championship, Nathaniel-Greene Park, Springfield, MO.
Information at: www.mwisa.org/tree-climbing-championship.

June 15

Kansas Arborist Association Summer Field Day, Clinton Lake, Lawrence, KS, Registration and information at: www.kansasarborist.com/field-day.html.

June 19

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

June 19

ISA Certified Arborist, Utility Specialist, and Municipal Specialist Exam, Springfield, MO, Registration deadline June 1, Register at www.isa-arbor.com/certification/becomeCertified.

June 28

JMCFC meeting, 7 - 9 AM, Wildcat Glades Conservation & Audubon Center, Joplin, MO.

July 17

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

July 26

JMCFC meeting, 7 - 9 AM, Wildcat Glades Conservation & Audubon Center, Joplin, MO.

August 2 - 5

International Tree Climbing Championship, Franklin Park, Columbus, OH, Registration and information at: www.itcc-isa.com/events/itcc.

August 5 - 8

ISA Annual International Conference and Trade Show, Columbus, OH, Registration and information at: www.isa-arbor.com/Events/Annual-Conference/2018-Annual-Conference.

August 21

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

August 23

JMCFC meeting, 7 - 9 AM, Wildcat Glades Conservation & Audubon Center, Joplin, MO.

August 28 - 30

2018 Trees and Utilities Conference, Omaha, NE, Registration and information at: www.treesandutilities.org.

September 18

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

September 19 - 20

Missouri Green Industry Alliance 2018 Fall Field Day and Professional Tour, Registration and information at: www.mogia.org/events/.

September 27

JMCFC meeting, 7 - 9 AM, Wildcat Glades Conservation & Audubon Center, Joplin, MO.



Tree at my window, window tree,
My sash is lowered when night
comes on;
But let there never be curtain
drawn
Between you and me.

- Robert Frost

WHAT'S HAPPENING

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