

## Insect and Disease Seminars

Insects and Diseases are constantly looking for a tree to attack. Some are even new and exotic to our area. As tree professionals working as arborists, nurserymen, landscapers, and public servants we must constantly educate ourselves about these challengers to tree health. This workshop is being held to help you review and learn new information about harmful insects and diseases that may affect trees you work with. You and your co-workers are encouraged to attend.

The FREE seminars will be February 26, 1:30 - 4 PM at Wildcat Glades Conservation & Audubon Center, 201 W. Riviera Dr., Joplin, MO and February 27, 9:30 AM - Noon at the Springfield Nature Center, 4601 S Nature Center Way, Springfield. Two ISA CEU's and two SAF CFE's are available. Registration is required for these free seminars. Register for the Springfield seminar by calling 417-895-6880 and the Joplin seminar by calling 417-629-3423 or email [jon.skinner@mdc.mo.gov](mailto:jon.skinner@mdc.mo.gov).



## MCFC Conference and Tree Management Workshop - There is Still Time to Register.

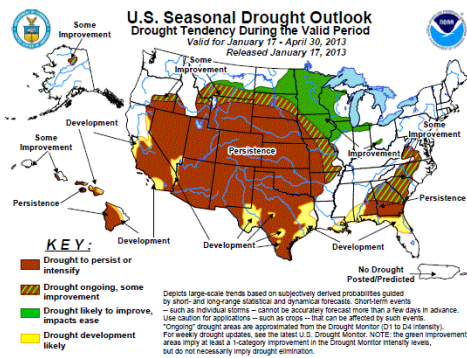
It is too late for the MCFC conference. early bird registration rate, but at \$190 through Feb. 11 it is still a great rate to learn from nationally know speakers, and network with the states most active tree enthusiasts while staying close to home in Joplin. Get more information at: [www.mocommunitytrees.com](http://www.mocommunitytrees.com).

Professor Gilman will present at the free Tree Management Workshop the morning of March 5, 8:30—11: 30 AM. Registration is required and limited to space available. Register by either calling 417-629-3423 or email [jon.skinner@mdc.mo.gov](mailto:jon.skinner@mdc.mo.gov).

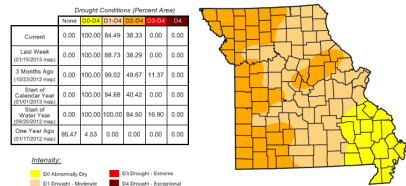
## The Drought Continues

This summer we had a bad drought, crops and grass withered, streams ran low or dry, and trees died. Without water supplied by people, many more trees in our communities would have died, especially the newly planted. We are still in a Severe Drought level according to the U.S. Drought Monitor ([http://www.droughtmonitor.unl.edu/DM\\_state.htm?MO,MW](http://www.droughtmonitor.unl.edu/DM_state.htm?MO,MW)) and it is expected to persist or intensify according to the U.S. Seasonal Drought Outlook ([http://www.cpc.ncep.noaa.gov/products/expert\\_assessment/seasonal\\_drought.html](http://www.cpc.ncep.noaa.gov/products/expert_assessment/seasonal_drought.html)).

You need to be watering recently planted or water using trees, like conifers, during the winter when the ground is not frozen. These plants are at greater risk from lack of water then dormant established trees.



## U.S. Drought Monitor January 22, 2013



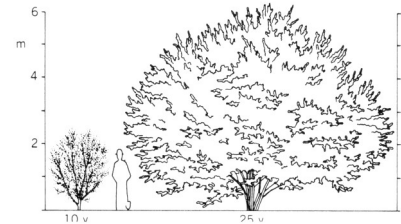
Released Thursday, January 24, 2013  
Mark Svoboda, National Drought Mitigation Center

## ANSI A300 Part 7 for 2012

The American National Standards Institute (ANSI) recently approved revisions of ANSI A300 (Part7)-2012—Integrated Vegetation Management a. Utility Rights of Way.

Part 7 addresses the parameters of performance for the creation and implementation of integrated vegetation management plans.

Anyone involved in the vegetation management / utility portion of the arboriculture industry should be very familiar with these revised standards. They may be ordered from the TCIA store (<https://secure.tcia.org/Core/Orders/product.aspx?prodId=592&catId=22>).



Cornelian cherry  
*Cornus mas*

Cornelian cherry is a dogwood with opposite leaves, branching, and classic curved venation. It is a small tree or large bush depending on how it is or is not pruned. It may reach up to 20 feet in height and a width up to 25 feet. It has a medium growth rate. Specie growth habit is large multi-stem shrub. It can be pruned to established a rounded crown small tree. The tree prefers rich, well drained soil but is pH and soil type adaptable and to be in full sun to partial shade. Leaves and branches are opposite. Leaves have the traditional dogwood shape and venation and range from 2 to 4 inches long to 3/4 to 1 1/2 inches wide. The leaves are dark green and somewhat glossy. A dull purplish red fall color is possible. Early spring, before leaves, small yellow flowers are present which develop into red, edible fruit. Several cultivars exist but 'Alba' with white fruit; 'Golden Globe' with upright form; 'Spring Glow' with bright yellow flowers; and 'Spring Sun' with good tree form appear most interesting. Cornelian cherry is native to central and southern Europe and western Asia.

Plant illustration by Jenny M. Lyverse, from Landscape Plants for Eastern North America, 2nd Edition, Harrison L. Flint Author.

## Web Site Review - Purdue Tree Doctor App for i-Phone/i-Pod

Purdue Tree Doctor is packed with information on 175 tree problems on over 60 kinds of trees common to the midwest and northeast. The app can assist diagnoses by knowing the tree and using high resolution images or go directly to management tips if the problem is known. Once downloaded, the 250 mb app does not require an internet connection.

The app is available on the iTunes store at: <https://itunes.apple.com/us/app/purdue-tree-doctor/id561944017?mt=8> for \$1.99.

### Pest Highlight - scale



Image: Lacy L. Hyche Auburn Univ.

Scale insects are common and often overlooked pests. They thrive when a tree is stressed (like after storm damage or drought). There are two basic types of scale, Armored and Soft. Both suck juices from a tree.

Armored scales generally have a covering over them and suck juices by pushing their straw like mouth parts around like a plumbers snake to burst cells and suck the contents on plant parts. Soft scales also have a cover, but emit honeydew and utilize plants parts that directly transport fluids and nutrients.

Both have natural predators that should be considered when selecting a control option. Horticultural (dormant) oil and insecticidal soap have the least impact on other insects. The University of Missouri Extension (<http://extension.missouri.edu/p/g7274>) and Purdue University Extension (<http://extension.entm.purdue.edu/publications/E-29.pdf>) have good publications on these pests.

### February 1

Early Bird Deadline MCFC Annual Conference!, Joplin, MO [www.mocommunitytrees.com](http://www.mocommunitytrees.com)

### February 6 - 8

Midwestern Chapter of ISA Annual Conf., St. Louis, MO, [www.mwisa.org/](http://www.mwisa.org/)

### February 22

Grow Native! Workshop: Landscape Design with Missouri in Mind - Professionals, 9:00 AM - 4:30 PM, George Washington Carver National Monument, Information at: <http://grownative.org/events/grow-native-workshop-landscape-design-with-missouri-in-mind-2/>

### February 23

Grow Native! Workshop: Landscape Design with Missouri in Mind - Homeowners, 9:00 AM - 4:30 PM, George Washington Carver National Monument, Information at: <http://grownative.org/events/grow-native-workshop-landscape-design-with-missouri-in-mind/>

### February 26

Insect and Disease Seminar, 1:30 - 4 PM, Wildcat Glades Conservation & Audubon Center, Joplin, MO, register by calling 417-629-3423 or email [jon.skinner@mdc.mo.gov](mailto:jon.skinner@mdc.mo.gov)

### February 26 - March 1

MPRA Annual Conference and Expo, Tan-Tar-A, Osage Beach, MO, [www.mopark.org/](http://www.mopark.org/)

### February 27

Insect and Disease Seminar, 9:30 - Noon, Springfield Nature Center, Springfield, MO, register by calling 417-895-6880

### February 28

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

### March 5

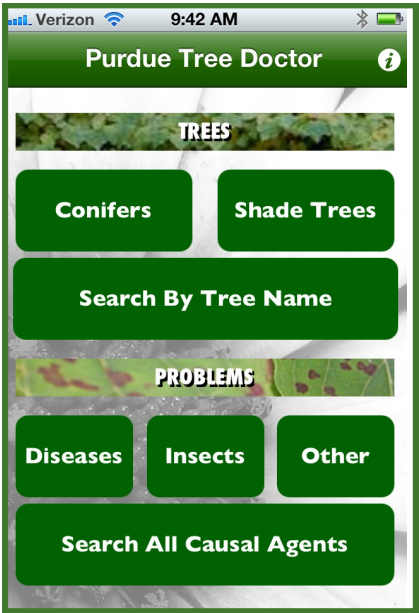
Tree Management Workshop, 8:30 - 11:30 AM, Wildcat Glades Conservation & Audubon Center, Joplin, MO, FREE! Registration Required! Call 417-629-3423 or email [jon.skinner@mdc.mo.gov](mailto:jon.skinner@mdc.mo.gov)

### March 5 - 7

MCFC Annual Conference, Holiday Inn Hotel and Convention Center, Joplin, MO, For information visit [www.mocommunitytrees.com](http://www.mocommunitytrees.com)

### March 28

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



Who leaves the pine-tree, leaves  
his friend,  
Unnerves his strength, invites his  
end.

~Ralph Waldo Emerson,  
"Woodnotes"

## WHAT'S HAPPENING

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