



Pest Management for Trees

Friday, April 6, 2018

7:30am - 2:45pm

Schedule	Session	Presenter
7:00am - 7:20am	Registration	
7:20am - 7:30am	Welcome & Introduction	
7:30am - 8:30am	<p>Common & Invasive Insect Pests of Trees</p> <p>Arizona's trees are affected by a number of insect and other pests. Additionally, several foreign plant and animal species are introduced in the United States every year, and about one in seven of these species has become invasive. This presentation will provide an overview about some of the common insect pests of Arizona trees including bark beetles, borers, bud and shoot pests, defoliators, sap-sucking pests, and pests of stored wood and wood products. Some of the important invasive insect pests that have caused concerns recently will also be discussed, such as spruce aphid, pine bark beetles and borers.</p>	Shaku Nair
8:30am - 9:30am	<p>Integrated Approaches to Managing Insects, Diseases, & Environmental Stresses that Impact Trees</p> <p>Trees are subjected to a variety of factors that reduce vigor and may eventually lead to decline and death. Almost all of these factors are the result of human activity, and they are related to each other. This presentation will provide an overview about different stresses imposed on trees growing in communities and around homes, describe the common symptoms of stress, and suggest ways to prevent or reduce the impact of these stresses on trees. Integrated Pest Management (IPM) is an environmentally friendly and cost effective approach that utilizes a variety of preventative measures, cultural controls, and direct control measures to promote plant health. No single activity in an IPM program is effective on its own; rather, all of the components of the program contribute to plant health and when used together, effectively keep pest problems below a tolerable threshold.</p>	Shaku Nair
9:30am - 9:45am	Break	
9:45am - 10:45am	<p>Abiotic Plant Disorders & Management</p> <p>This presentation will focus on the abiotic factors and the disorders they cause that commonly affect trees including water, fertilizer management, soil issues, and environmental stress. Management of these problems from the start is the key to avoiding their secondary associated disorders and maintaining integrated pest management plans to minimize costs and the use of pesticides.</p>	Claud Cluff
10:45am - 11:45am	<p>Pesticide Safety for Landscape Pest Management</p> <p>The first presentation will discuss pesticide characteristics and the environment, hazard and first aid, modes of action, and LD50 math. The second part will consist of interactive exercises with the audience to teach about pesticide contamination.</p>	Dr. Mike Wierda
11:45am - 12:30pm	Lunch (Lunch is on your own).	
12:30pm - 1:30pm	<p>Pesticide Label Reading Exercises</p> <p>This second class will consist of interactive exercises with the audience to teach about pesticide contamination.</p>	Dr. Mike Wierda
1:30pm - 2:30pm	<p>Aleppo Pine Blight and Bark Beetles: What We Know, What We Are Investigating, and Responses That Have Been Made.</p> <p>This session will focus on the Arizona Department of Forestry and Fire Management approaches the problem and their collaboration with the USFS colleagues in Flagstaff as they work to identify potential causes. We will explore the list of causes and the results so far. The session will provide new insights on the pine feeding mite that was confirmed and talk a bit about what information we have on the biology of this mite. Additionally we will cover an experiment in progress by a company that injected some trees with an insecticide to see if it has any efficacy on controlling the blight. The last part of the session will provide an update on a potential invasive bark beetle that has been detected in Tucson.</p>	Steve McKelvey
2:30pm -2:45pm	Adjourn & CEU Sign-up	