



# professional training

## Special Two-Day Plant Care Workshop

Christopher J. Luley, Ph.D.

Urban Forestry, LLC

Fee: Both days \$230 (\$30 discount)

## Advanced Plant Health Care

This workshop is directed to plant health care technicians and people in the tree care profession who want to improve their skills. It will go beyond standard plant health care methods and practices, and focus on identification of plant health and pests using advanced diagnostic tools such as pathogen test kits and SPAD meters. Participants will also identify selected pest problems using traditional techniques and will have hands-on use of non-pesticide treatments such as root crown excavations and soil invigoration using air tools and soil amendments. Christopher J. Luley is a pathologist and consultant with hands-on industry experience for the past 30 years. He was State Forest Pathologist for Missouri and managed the Plant Diagnostic Clinic for Iowa State University. Dr. Luley recently published two books, one on wood decay fungi and one on pest management in the landscape.

**This course carries 5.5 CEUs for ISA arborists.**

**Tuesday, October 13 9 a.m. – 4 p.m.**

Fee: \$130 (including lunch)

## Wood Decay Fungi and Testing Trees for Decay

This workshop will focus on identification of wood decay fungi and decay types and their importance to working arborists. A portion of the program will focus entirely on testing trees for decay and will present the results of a recent research study on visual assessment and sounding, as well as on Resistograph testing for decay in urban trees. Participants will use all these methods in the field to gain hands-on experience using a practical process to assess trees for decay. Dr. Luley was a technical advisor and urban forestry consultant for 14 years with two major northeast tree care and consulting companies. He was also State Forest pathologist for Missouri and managed the Plant Diagnostic Clinic for Iowa State University. **This course carries 5.5 CEUs for ISA arborists.**

**Wednesday, October 14 9 a.m. – 4 p.m.**

Fee: \$130 (including lunch)

## Turf Care for the Professional

Daniel Meersman

Director of Grounds, Philadelphia Cricket Club

This overview course is designed for lawn care professionals. We will start by discussing grass selection for different areas including sun, shade, wet areas and drought resistant species. Common pest and disease problems will be reviewed, and timing for weed and pest control will be considered. Types of fertilizers, fertilizing regimes and the timing of fertilizer applications will be reviewed as will water management issues including irrigation and drainage. Dan graduated from Michigan State University's Turfgrass Management Program. He formerly was golf course superintendent at the Victoria National Golf Club in Evansville, Indiana.

**Tuesday, September 22**

**9 a.m. – 3 p.m.**

Fee: \$110 (includes lunch)

## Understanding and Managing Wetlands

Curtis W. Helm

Arborist, Environmental Consultants, Inc.

Anne Brennan

Horticulturist, Morris Arboretum

In this class we will discuss the definition of wetlands and consider their function and value to our environment. We will look at ways to delineate wetlands and learn about regulations that protect them in New Jersey and Pennsylvania. A list of our native wetland plants for landscaping and habitat restoration projects will be provided so we can discuss invasive species commonly found in wetlands, and techniques to manage these plants. We will tour wetland projects done at the Arboretum and will finish with a discussion of constructed wetlands or rain gardens that can help remedy water issues in the built environment. **This course carries 6 CEUs for Pennsylvania landscape architects and 5.5 CEUs for ISA arborists.**

**Wednesday, September 30**

**9 a.m. – 4 p.m.**

Fee: \$125 (includes lunch)



## Refining Your Climbing Skills

Herb White

Chief Arborist (ISA Certified), Morris Arboretum

This course is designed to improve a climber's efficiency in moving through a tree. The instructor will emphasize techniques useful in commercial work as well as in tree jamboree competitions. Techniques will be demonstrated and practiced on all facets of tree climbing including initial crotching, advancing ropes, using a throw line, planning routes, jumps and swings, double crotching, line redirects, and secured static foot-lock techniques. The instructor will critique participants, encouraging them to improve techniques and finesse. **Bring your climbing gear including a hard hat with chin strap and a throw line. This course is geared to students who have mastered basic climbing skills. This course carries 9 CEUs for ISA arborists.**

**Three Thursdays, October 15, 22, 29**

**3 – 5 p.m.**

**and**

**Friday, November 6**

**9 a.m. – 12 noon**

Fee: \$120

## Pruning Deciduous Trees

Iana Turner

Horticulturist, Morris Arboretum

Pruning young trees for healthy structural development is cost-effective care. This class will explain how recent research on pruning has changed both practice and understanding. Age-adjusted pruning strategies will be stressed to maximize tree longevity and structural health. In addition, techniques will be discussed to help tree managers evaluate the arboricultural work of others under their supervision. The morning session will consist of a lecture and a demonstration. The afternoon session will feature supervised, hands-on pruning. **Participants may sign up to take the morning part only, or the entire daylong class. Please bring a hand pruner and a small orchard saw for the afternoon session. This course carries 5.5 CEUs for ISA arborists.**

**Tuesday, October 20**

**9 a.m. – 3 p.m.**

**Raindate: Thursday, October 22**

Fee: All day: \$110 (including lunch)

Fee: Morning only (9 a.m. – 12 noon) \$60

## Evaluating Trees for Hazards

Jason Lubar

Associate Director of Urban Forestry, Morris Arboretum

Robert Wells

Arborist Consultant, Morris Arboretum

Are your trees a beautiful hazard? Tree defects can be examined and risks assessed if you are trained to detect and rate them. Decay, cavities, cracks, root rots, and poor limb connections are but a few of the defects that plague trees. Learn how to examine and measure defects, and determine when a tree should be removed. An indoor lecture and discussion will be followed by an outdoor practical examination of a defective tree. **A calculator is helpful for some aspects of this class. This course carries 5.5 CEUs for ISA arborists.**

**Wednesday, November 18**

**9 a.m. – 4 p.m.**

Fee: \$110 (including lunch)

**CONTINUING EDUCATION UNITS FOR ARBORISTS AND PA LANDSCAPE ARCHITECTS** The Arboretum's professional training courses carry International Society of Arboriculture Continuing Education Units and some carry CEUs for registered Pennsylvania landscape architects. If you have questions about this, please contact Jan McFarlan, (215) 247-5777, ext. 156.