

# Class Descriptions

Wednesday, January 23rd.

## CREW ACADEMY

Ellis/Turfway Ballroom

## PRODUCTION

Carriage Ballroom

### MORNING BREW Kick Off Session

Water Sense to Save You "Cents" Improving Water Management in Landscape Holding Yards and Retail Nurseries

Jake Shreckhise, Ph.D., USDA

8:15 A.M. - 9:15 A.M. • ELLIS/ TURFWAY BALLROOM

### Good, Better, Best LED Lighting Systems

9:20 a.m. - 10:20 a.m.

Chuck Watterson, Wolf Creek Company

Chuck will explore the wide range of landscape lighting options now available for landscapers. Some are better than others, all offer advantages for installers and owners. More than a quality issue, product choice represents a marketing position.

### Organic vs Sustainable vs No Spray vs Low Spray

10:25 a.m. - 11:25 a.m.

Gauthier, Nicole Ward, Ph.D., University of Kentucky

Marketing around pesticide applications can often result in customers demanding certain products and services. The green industry has since tried to catch up to the latest notions with targeted products and services. This session will cover the vocabulary and meanings behind terms such as organic and sustainable, as well as explore methods for managing diseases within those boundaries. There will be ample time for comments and Q&A.

### The Planting Hole – More Than Just a Hole in the Ground

1:00 p.m. - 2:00 p.m.

William M. Fountain, Ph.D., University of Kentucky

Digging planting holes is often considered a simple, mindless task that, because of the physical exertion is often relegated to the least experienced employees. With enough information and time in diagnosis of plant deaths, most can be traced back to soil related stressing agents. Even when the species is matched to the site, many of these premature failures can be traced back to inappropriate installation.

### Pests, Pollinators, Pesticides and Personal Protection

2:05 p.m. - 3:05 p.m.

Ric Bessin, Ph.D., University of Kentucky

This session will cover the key pests and their signs of infestation that applicators and crew need to watching for. Pollinator protection has become a concern with declining bee populations, risks to pollinators and steps to protect them will be discussed. The first two steps to protect oneself from pesticides are common sense and personal protective equipment.

### Introduction to Pruning

3:10 p.m. - 4:10 p.m.

Dave Leonard, Leading Technologies, LLC, Versailles, Kentucky

A review of common pruning issues updated to the new A 300 Pruning Standards. The ANSI A300 Pruning Standards were developed by a coalition of arborists, landscape architects, and foresters and should be used as guidelines for anyone pruning trees, if they work for a city, state, or private company, including utilities. Let's get familiar with them.

### Filtration of Irrigation Water

9:20 a.m. - 10:20 a.m.

Dewayne Ingram, Ph.D., University of Kentucky

The performance of an irrigation system, especially long-term, is enhanced by high quality water with minimal dissolved solids and particles. Several methods of filtering contaminants from irrigation water for various sizes of nursery and greenhouse operations will be presented.

### Natural Season Garden Mum Production Practices

10:25 a.m. - 11:25 a.m.

Steve Berberich, University of Kentucky

This presentation will cover major topics the grower needs to address for successful production of natural season garden mums. It will start with basic information about the Chrysanthemum. It will include information about crop planning and site selection, planting date, pot size, irrigation/fertigation system, irrigation water analysis, plant nutrition, fertility/pH monitoring. It will point out some common problems faced by new growers, as well as potential insect and disease issues.

### Five Years In: How is Hemp Doing in Kentucky

1:00 p.m. - 2:00 p.m.

Thomas Keene, University of Kentucky

Industrial Hemp Production continues to expand in Kentucky and Nationwide. What have we learned in those first 5 years? Can it actually replace tobacco as some have touted? We'll explore these questions and look at some of the hard production over the last few years.

### Tree & Landscape Appraisal – Arriving at a Defendable Dollar Value

2:05 p.m. - 3:05 p.m.

William M. Fountain, Ph.D., Univ. of Kentucky

When vandalism, accidents, and eminent domain result in damage or death to plants, the owner is entitled to fair compensation. This talk will look at revisions in the 10th edition of the Guide for Plant Appraisal and the qualification program through American Society of Consulting Arborists.

### Herbicides Available for the Nursery Production

3:10 p.m. - 4:10 p.m.

Mark Czarnota, Ph.D., University of Georgia

Weeds eating your shorts? Most nursery growers rely on herbicides to control weeds in container and in-ground nursery stock. Fortunately, there is a good selection of preemergence herbicides to control weeds from seed and a few postemergence herbicides to control emerged weeds. In order to get the best results from these herbicides, it is extremely important that you have a firm understanding of how herbicides work, how to use them, how long they last, and potential problems with them. This presentation will cover information on herbicides available for nursery production, and help you use them as efficiently as possible.

### DAILY CEU'S

	Wednesday	Thursday
Arborist	10	9
Pesticide	5	5
Landscape Architect	3	9.5