

## LANDS Expo

### Continuing Education for Sports Turf Managers

Session LE02

#### Pesticides on Turfgrass

Jay Gan, Ph.D., University of California, Riverside  
Bruce Kidd, Dow Agro Science

Maintenance of high quality sports turf, including golf courses, rely on the adequate use of pesticides in order to protect against pests, and restore the competitive balance in favor of the turf. This session will cover two facets of pesticides on turfgrass. One will be the fate of pesticides in the environment and strategies for minimizing pesticide runoff and offsite movement. The other will cover cultural and chemical practices for managing specific weeds in turfgrass with various stressful conditions. Examples will be drawn from golf courses and professional sports fields, all the way down to your children's beat-up soccer fields, with suggestions how you can help create and maintain a safer and better performing turfgrass.

Need CEUs - \$30 Without CEUs - \$20  
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## LANDS Expo

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Session LE10

#### Evaluating and Amending Soil

Kent Kurtz, Ph.D., Calif. State Polytechnic Univ., Pomona  
Dirk Muntean, Soil and Plant Laboratory, Inc

Maintenance of high quality sports turf, including golf There are many types of soils used for the construction and establishment of turfgrasses on sports fields. Poor soil physical properties and fertility imbalances reduce turf health, quality, and performance. Many potential problems can be solved by thorough examination and correction prior to turf planting. This session will provide the turf professional with a check list of potential problem areas that can be adjusted or corrected prior to turf installation by considering types of field materials or soils, pre-plant fertilizers, and organic amendments.

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Session LE13

#### Synthetic Infill vs. Natural Turf

A.J. Powell, Ph.D., University of Kentucky  
Darren Gill, FieldTurf

The examination of construction, maintenance, renovation, repair and other costs for a natural grass field and synthetic infills including as testing for safety and performance. The differences between polyethylene yarn type synthetic infills and nylon non-infilled fields that have higher sports shoe traction test results and the ball bounce and rebound that closely resemble the performance of a natural field will be explored.

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## LANDS Expo

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Session LE23


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#### Efficient Irrigation Management for Sports Fields

Dave Minner, Ph.D., Iowa State University  
Lynda Wightman, Hunter Industries

Learn why sprinklers have brown "doughnuts" around them in your turf! Why are some areas dry versus soggy right next to each other? What is the difference between "efficiency" versus "uniformity" in irrigation systems? How do we manage all of this?

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## LANDS Expo

### Continuing Education for Sports Turf Managers

Session LE22


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#### Managing Healthy Sports Fields

Tom Samples, Ph.D., University of Tennessee  
Paul Sachs, North County Organics

Many of today's new products and technologies can help sports turf managers maintain healthy, wear-resistant turfs. Timely mowing, fertilization, watering, aeration and pest control are fundamental. Learn that the vast majority of soil organisms are beneficial in a functioning ecosystem.

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## LANDS Expo

### Continuing Education for Sports Turf Managers

Session LE24


Sponsored by STMA

#### Developing an Aerification Program for Sports Fields

Trent Hale, Ph.D., Clemson University  
Dale Getz, The Toro Company

Learn how aerification of both warm-season and cool-season turfgrasses are an essential part of a good sports field maintenance program. The primary benefit of core aerification is to alleviate soil compaction. However, there are many other benefits of a routine aerification program, including water infiltration, compaction relief, air exchange, seedbed preparation etc.

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