



# California Urban IPM Apprenticeship

Teaching skills to improve pest and weed management across California

## Monitoring, soil testing and site assessment techniques to identify and assess pest and weed pressure in outdoor environments

Wednesday September 25<sup>th</sup>, 2024

Noon to 1:15 pm PDT

**Zoom link:** <https://us06web.zoom.us/meeting/register/tZAvfumurz4uGNdG4sgKMIYBIh4z3L3L53I>

### Webinar abstract:

For this webinar, Doug Soldat will cover how to monitor and catch landscape pest and weed problems before they spread. Apprentices will learn how to interpret soil test reports, identify common landscape pests and weeds and develop management recommendations based on soil testing and site assessment results.

### Learning objectives addressed:

- (1) Identify key landscape pests and weeds and be able to explain their basic biology, lifecycles, monitoring and management strategies. (20 minutes)
- (2) Develop competency in completing onsite evaluations to assess pest and weed pressure in outdoor environments using visual inspection, soil testing, greenspace assessments and recordkeeping. (20 minutes)
- (3) Demonstrate the ability to develop and implement outdoor pest and weed treatment plans using Integrated Pest Management (IPM) principles. (20 minutes)

### Presenter bio:

*Dr. Doug Soldat, University of Wisconsin-Madison*

Doug Soldat is a professor and turfgrass extension specialist in the Department of Soil Science at the University of Wisconsin-Madison. Doug completed his B.S. and M.S. degrees in Soil Science from UW-Madison and earned a Ph.D. in Plant Science from Cornell University. His research and outreach programs are focused on improving turfgrass nutrient and water use efficiency. Doug teaches courses on turfgrass management and general soil science at the University of Wisconsin.

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## Webinar Schedule

Agenda Topic	Description
Introduction and Roll Call (5 minutes)	<i>Leader:</i> Nikki Blunier
Landscape weed and pest monitoring overview (10 minutes) <i>Learning Objective #1</i>	<i>Presenter:</i> Doug Soldat <ul style="list-style-type: none"><li>• Why monitor for pests and weeds?</li><li>• Identification of common California landscape weeds and pests</li></ul>
Soil and nutrient testing (20 minutes) <i>Learning Objective #2</i>	<i>Presenter:</i> Doug Soldat <ul style="list-style-type: none"><li>• Overview of different soil testing methods</li><li>• Soil sampling protocols and frequency</li><li>• Interpreting soil test results</li></ul>
Site assessment (20 minutes) <i>Learning Objective #3</i>	<i>Presenter:</i> Doug Soldat <ul style="list-style-type: none"><li>• Site history (climate, soil profile, past use)</li><li>• Visual inspection of landscapes</li><li>• Outdoor weed and pest monitoring strategies and tools</li><li>• Recordkeeping</li></ul>
Question and Answer Session (10 minutes) <i>Learning Objective #1</i>	<i>Facilitator:</i> Nikki Blunier
Post Quiz (5 minutes)	<ul style="list-style-type: none"><li>• Ten question quiz</li><li>• Need 70% to pass</li></ul>