



California Urban IPM Apprenticeship

Teaching skills to improve pest and weed management across California

How to Maintain Resilient Greenspaces to Manage Invasive and Ornamental Weeds - Webinar #8

Wednesday January 29th, 2025
Noon to 1:30 pm PDT

Zoom link: https://us06web.zoom.us/meeting/register/tZMpdeqprz4qE9JBbCXm_20bt8M7k3ddvJYt

Webinar abstract:

This webinar will cover biology, lifecycle and management practices related to invasive and ornamental weeds within urban landscapes. This includes an overview of cultural, physical and chemical weed management strategies. Apprentices will leave this webinar with an understanding of practices that effectively manage invasive and ornamental weeds while minimizing pesticide and pest hazards to people and the environment.

Learning objective(s) addressed:

- (1) Identify key landscape pests and be able to explain their basic biology, life cycles, monitoring and management strategies.
- (2) Develop competency in completing on-site evaluations to assess weed pressure in outdoor environments using visual inspection in locations conducive to weed presence, soil testing and green space assessments and record keeping.
- (6) Demonstrate the ability to develop and implement weed treatment plans using IPM principles.

Presenter bio:

Ryan Anderson

Ryan Anderson is a 2016 National Academies of Sciences, Engineering, and Medicine Christine Mirzayan Science & Technology Fellow, Ryan has extensive experience advancing science-based solutions in urban and residential communities highlighted by his leadership of IPM Institute's Midwest Grows Green sustainable landscaping initiative. Ryan has a Masters of Sustainable Solutions from Arizona State University and holds a dual bachelor's degree in biology and Electronic Journalism from Butler University.

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Schedule

Agenda Topic	Description
Roll-call (5 minutes)	<i>Leader:</i> Nikki Blunier
Turfgrass management basics (20 minutes)	<p><i>Presenter:</i> Ryan Anderson</p> <ul style="list-style-type: none"> • Cultural management: Mowing, reducing soil compaction, irrigating and overseeding (8 minutes) • Improving soil health practices: synthetic vs organic fertilizers, compost, mulching leaves, recycling grass clippings and additional soil amendments (8 minutes) • Monitoring and identification of common urban landscape weeds in California (4 minutes)
Natural area management basics (20 minutes)	<p><i>Presenter:</i> Ryan Anderson</p> <ul style="list-style-type: none"> • Site investigation, planning and prevention (5 minutes) • Native plant and seed selection (5 minutes) • Invasive weed control products and practices- manual removal, controlled burns, target grazing, conservation mowing, solarization, heat treatment, herbicides (5 minutes) • Evaluation and improvement (5 minutes)
Herbicide selection and application (20 minutes)	<p><i>Presenter:</i> Ryan Anderson</p> <ul style="list-style-type: none"> • Tolerance thresholds for weeds, grubs and other pests (5 minutes) • Non-selective herbicides: glyphosate, glufosinate (3 minutes) • Selective herbicides- three-way herbicides with 2,4-D and dicamba, triclopyr (3 minutes) • Reduced risk and organic herbicides- mesotrione, iron chelate, horticultural oils (3 minutes) • PPE, recordkeeping and notification (6 minutes)
Question and Answer Session (10 minutes)	<i>Facilitator:</i> Ryan Anderson
Post Quiz (10 minutes)	<p><i>Leader:</i> Ryan Anderson</p> <ul style="list-style-type: none"> • Ten question quiz • Need 70% to pass