



California Urban IPM Apprenticeship

Teaching skills to improve pest and weed management across California

IPM for common household arthropod pests

Wednesday October 30th, 2024

Noon to 1:30 pm PDT

Zoom link: <https://us06web.zoom.us/meeting/register/tZAof-iurzkoG9Mtk06-25bLK4HQ72VM7eY9>

Webinar abstract:

Common arthropod pests such as cockroaches, ants and flies can cause significant nuisance and spread disease if left unchecked. This webinar will cover how to identify and eliminate conditions conducive to these arthropod pests such as clutter, food debris, plumbing leaks and more. In addition, Dr. Sutherland will provide best guidelines for arthropod pest monitoring and management programs.

Learning Objectives:

- (1) Identify key household arthropod pests and be able to explain their basic biology and life cycles as well as common monitoring and management strategies. (20 minutes)
- (2) Develop competency in completing onsite evaluations to assess arthropod pressure in indoor environments using tactics such as pheromone trapping, sticky trap monitoring and visual inspections in locations which may harbor household pests. (20 minutes)
- (3) Demonstrate the ability to develop and implement arthropod pest treatment plans using IPM principles of monitoring, exclusion, sanitation, trapping and baiting. (20 minutes)

Presenter bio:

Andrew Sutherland, Urban IPM Advisor, University of California Cooperative Extension

Dr. Andrew Sutherland is an extension entomologist helping to develop new IPM strategies and adapt existing IPM strategies for urban pest management professionals. His goals include education about IPM principles, development of IPM programs for clientele, reduction in unnecessary pesticide applications and mitigation of surface water contamination due to urban pesticide applications.

Funding Provided by:

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Webinar Schedule

| Agenda Topic | Description |
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| Introduction and Roll Call (5 minutes) | <i>Leader:</i> Ryan Nolan |
| Arthropod IPM Basics (20 minutes) <i>Objectives #1, #2 and #3</i> | <i>Presenter:</i> Dr. Sutherland <ul style="list-style-type: none"> • Identification of common household arthropod pests in California • Monitoring and eliminating conditions conducive to arthropod pests • Arthropod pest exclusion and sanitation |
| Cockroaches (10 minutes) <i>Objectives #1, #2 and #3</i> | <i>Presenter:</i> Dr. Sutherland <ul style="list-style-type: none"> • Life cycle • Behavior • Management |
| Flies (10 minutes) <i>Objectives #1, #2 and #3</i> | <i>Presenter:</i> Dr. Sutherland <ul style="list-style-type: none"> • Life cycle • Behavior • Management |
| Ants (10 minutes) <i>Objectives #1, #2 and #3</i> | <i>Presenter:</i> Dr. Sutherland <ul style="list-style-type: none"> • Life cycle • Behavior • Management |
| Nuisance pests and “occasional invaders” (10 minutes) <i>Objectives #1, #2 and #3</i> | <i>Presenter:</i> Dr. Sutherland <ul style="list-style-type: none"> • Spiders • Bed bugs • Silverfish and centipedes |
| Question and Answer Session (10 minutes) | <i>Facilitator:</i> Ryan Nolan |
| Post-Quiz (5 minutes) | <ul style="list-style-type: none"> • Five question quiz • Must achieve 70% to pass |