



California Urban IPM Apprenticeship

Teaching skills to improve pest and weed management across California

Mosquito and Ticks: IPM Strategies for Public Health Pests - Webinar #7

Wednesday December 18th, 2024

Noon to 1:30 pm PDT

Zoom link: <https://us06web.zoom.us/meeting/register/tZ0pfuGgqTwjHtMOA4MhpnJYkKhZQJP4R9w8>

Webinar abstract:

This webinar will cover the biology, life cycle and management of mosquitoes and ticks. This includes an overview of common tick and mosquito-borne diseases in California and the human-health risks associated with these diseases. Apprentices will leave this webinar with an understanding of practices that effectively manage mosquitoes and ticks while minimizing pesticide and pest hazards to people and the environment.

Learning objective(s) addressed:

- (1) Identify key mosquitoes and tick species in California and be able to explain their basic biology, lifecycle, best monitoring and management strategies.
- (2) Develop competency in completing onsite evaluations to assess mosquito and tick pressure using pheromone trapping, sticky trap monitoring, visual inspection in locations conducive to mosquito/tick presence and recordkeeping.
- (6) Demonstrate the ability to develop and implement mosquito and tick treatment plans using IPM principles of monitoring, exclusion, sanitation, trapping and baiting.

Presenter name/bio:

Laura Krueger

Laura Krueger is a vector ecologist and board-certified entomologist with Orange County Mosquito and Vector Control District. She specializes in vector-borne disease monitoring and control.

Funding Provided by:

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Schedule

Agenda Topic	Description
Roll-call (5 minutes)	<i>Leader: Josie Dillon</i>
IPM Basics (20 minutes)	<i>Presenter: Laura Krueger</i> <ul style="list-style-type: none">• Identification of key mosquito and tick species in California• Monitoring and eliminating conditions conducive to mosquitoes and ticks• Mosquito and tick exclusion and sanitation
Mosquitoes (20 minutes)	<i>Presenter: Laura Krueger</i> <ul style="list-style-type: none">• Life cycle• Behavior• Human-health risks• Larvae management• Adult management
Ticks (20 minutes)	<i>Presenter: Laura Krueger</i> <ul style="list-style-type: none">• Life cycle• Behavior• Human-health risks• Larvae management• Adult management
Question and Answer Session (10 minutes)	<i>Facilitator: Josie Dillon</i>
Post Quiz (10 minutes)	<i>Leader: Josie Dillon</i> <ul style="list-style-type: none">• Ten question quiz• Need 70% to pass