



RIVERSIDE

DEPARTMENT OF ENTOMOLOGY
Entomology Seminar Series



Speaker:

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Date: Monday October 7, 2024
Time: 4:00 pm - 4:50 pm
Format: In-Person Seminar & Virtual Access
Location: Genomics Auditorium 1102A
Zoom: 952 1906 3064
Passcode: 505445

Title:

"Got ants? – An alliance to improve urban pest ant management"

Abstract:

Ants are one of the major pests around structures in many urban environments. In urban residential areas of California, the Argentine ant, *Linepithema humile* (Mayr), is the most common nuisance ant species treated by pest management professionals (PMPs). Contact and residual insecticide sprays are most commonly used for outdoor Argentine ant control due to their ease of application and cost-effectiveness. Some of insecticide active ingredients used in the spray products are frequently detected in urban surface waters at levels that are deleterious to sensitive aquatic species. The primary goal of pest management alliance project was the implementation and promotion of low-impact strategies to effectively manage pest ants in urban environments. The project aimed to reduce PMPs' reliance on repeated use of insecticide sprays by incorporating two biorational approaches: (1) pheromone adjuvant for initial spray, and (2) baiting for maintenance visits. A mini study provided a useful piece of information for strategic placement of the baits. Future development in bait delivery method will also help to increase the use of baits rather than repeated use of insecticide sprays.

Refreshments will be served in the Entomology Building at 3:30 pm