



Speaker:

Ian Grettenberger

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Date: Monday, June 05, 2023

Time: 4:00 pm - 4:50 pm

Format: In-Person Seminar & Virtual Access

Location: Genomics Auditorium 1102A

Zoom: 938 1040 4405

Passcode: 833289

Title:

“Managing insect pests in California vegetables: dilemmas, solutions, and opportunities”

Abstract:

California is a key producer of vegetables, but insect pests frequently intervene and create problems in production. Emergent diseases, lack of effective tools, and challenging crop environments can all create a need for new approaches to pest management and for better information on how current tactics are working. As a lab, we have taken a multi-pronged approach to helping manage insect pests by exploiting pest ecology, relying on conservation or classical biological control, examining insecticide resistance, and determining how to better use insecticides. In this talk, I will present several examples of our attempts to improve vegetable IPM: 1) diamondback moth in cole crops and the scope of insecticide resistance, 2) cucumber beetles in melons and chemical ecology-based management, and 3) aphids and thrips in lettuce and precision technology, specifically precision sprayers. These projects will shed light on challenges and opportunities in pest management and will both help growers continue to produce vegetables and permit California to continue to press forward on long-term sustainable pest management plans.

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