



MEETING SUMMARY

Pest Management Advisory Committee (PMAC)

9:30 a.m. – 12:45 p.m., August 8, 2024

1001 I Street, Sacramento, California

Sierra Hearing Room, Second Floor

MEETING ATTENDANCE

Committee Members Present (20):

- **Brenna Aegerter** – University of California Cooperative Extension
- **Whitney Brim-DeForest** – University of California Cooperative Extension
- **Robert Ehn** – California Garlic and Onion Research Board
- **Jonathan Evans** – Center for Biological Diversity
- **Terry Gage** – California Agricultural Aircraft Association
- **Roger Baldwin** – University of California Agriculture and Natural Resources
- **Hanna Kahl** – Community Alliance with Family Farmers
- **Victoria Kalkirtz** – California Stormwater Quality Association
- **Anne Katten** – California Rural Legal Assistance Organization
- **Karey Windbiel-Rojas** – University of California Statewide IPM Program
- **Melissa Koshlaychuk** – California Strawberry Commission
- **Gabriele Ludwig** – Almond Board of California
- **Nick Lupien** – California Association of Pest Control Advisers
- **Eric Stein** – Western Plant Health Association
- **Nicole Quinonez** – Madden Quinonez Advocacy
- **Margaret Reeves** – Pesticide Action Network North America
- **Patrick Dosier** – California Association of Pest Control Advisers
- **Brian Gress** – California Department of Food and Agriculture
- **James Farrar** – University of California Statewide IPM Program
- **Humberto Izquierdo** – California Agricultural Commissioners and Sealers Association

Department of Pesticide Regulation Staff Present (6):

- **Julie Henderson** – Director
- **Aimee Norman** – Environmental Program Manager II
- **Tory Vizenor** – Environmental Program Manager I
- **Hannah Ferguson** – Associate Governmental Program Analyst
- **Matt Fossen** – Senior Environmental Scientist (Specialist)
- **Catherine Bilheimer** – Environmental Scientist

Guests (4):

- **Jesse Roseman** – Almond Board of California
- **Ian Grettenberger** – University of California, Davis
- **Catherine Loudon** – University of California, Irvine
- **Andrew Sutherland** – University of California Agriculture and Natural Resources

AGENDA ITEMS

- I. **Introductions and Opening Comments** – Julie Henderson
- II. **Grants Program Update** – Tory Vizenor
- III. **Alliance Grant Presentation** – Jesse Roseman, Almond Board of California
 - a. Mr. Roseman presented his grant project *“Promoting Small Farm Use of Navel Orangeworm Mating Disruption Using Online Mapping and Neighborhood Management.”*
- IV. **Alliance Grant Q&A** – Tory Vizenor
 - a. A PMAC member asked about the next steps for the program and possible implementation by the Almond Board of California or Blue Diamond. Mr. Roseman replied that they need to follow-up with uncontacted growers, continue outreach, and refine the mapping tool. Regarding implementation, there is a lot of interest and additional grants coming in are adding momentum.
 - b. A PMAC member asked about other issues brought up by growers during their meetings. Mr. Roseman answered that growers are interested in equipment sharing and there is a need to have more conversations and push more cooperative approaches.
 - c. A PMAC member asked about incentives for participation. Mr. Roseman explained that this project was a model aimed at introducing neighbors and empowering them to come up with their own approach. Now that the Natural Resources Conservation Service (NRCS) has seen a high level of grower interest, he hopes that additional resources will become available.
 - d. A PMAC member asked about working with NRCS and focusing on the Pest Management Conservation System (Code 595) for mating disruption. Mr. Roseman discussed his experiences working with NRCS, the need to establish “point people” within the organization for growers to contact directly, and NRCS’ focus on whole farm planning. He stated that they were able to focus on the 595 by providing a roadmap for the process and building from the five-step navel orangeworm IPM practices.
 - e. A PMAC member asked about effects of mating disruption on pyrethroid use. Mr. Roseman explained that the use of mating disruption in the study areas tripled during the course of the project, but they did not specifically look at the data for pyrethroid use. He emphasized that mating disruption is not a direct substitute for pesticides.

- V. **Research Grant Presentation** – Ian Grettenberger, University of California, Davis
- a. Dr. Grettenberger presented his grant project *“Efficacy and Optimal Use of Alternatives to Chlorpyrifos for Aphid and Whitefly Management in Cotton.”*
- VI. **Research Grant Q&A** – Tory Vizenor
- a. A PMAC member asked about use of the commercial trial materials for lygus management. Dr. Grettenberger replied that one product had lygus on the label and the other has had it added.
 - b. A PMAC member commented that there is an area-wide effort for managing lygus on safflower so that it doesn’t become a problem on cotton. Dr. Grettenberger agreed that planting safflower can be important for area-wide management.
 - c. A PMAC member asked about measuring spray coverage and droplet size. Dr. Grettenberger responded that percent spray coverage was measured with spray cards, and that ground applications have larger droplets than aerial applications, but they were not looking at droplet size explicitly.
- VII. **Research Grant Presentation** – Catherine Loudon, University of California, Irvine
- a. Dr. Loudon presented her grant project *“Using Entrapping Surfaces to Augment Non-chemical IPM Approaches to Bed Bug Control.”*
- VIII. **Research Grant Q&A** – Tory Vizenor
- a. A PMAC member asked about the missing traps. Dr. Loudon explained that they were likely damaged or removed by the study participants, some of whom have pets. They did not ask specifically ask participants about the missing traps.
 - b. A PMAC member asked about next steps for the research. Dr. Loudon responded that they need to work on the microfabrication process, test material efficacy in different orientations (vertical versus horizontal), and evaluate efficacy with other pests.
 - c. A PMAC member asked if the trapping material is intended for monitoring or management. Dr. Loudon replied that it will definitely be used for monitoring, but there is potential for management as well since the material makes an effective barrier against bedbug movement.
- IX. **Research Grant Presentation** – Andrew Sutherland, University of California Agriculture and Natural Resources
- a. Dr. Sutherland presented his grant project *“Biting Mites in California’s Homes and Other Structures – Assessing the Problem and Building Capacity for Institutional Outreach and Intervention.”*
- X. **Research Grant Q&A** – Tory Vizenor
- a. Several PMAC members commented on the importance of the project in combating misinformation regarding insect/mite/spider bites and related dermatitis.
 - b. A PMAC member asked for details on the mite-infested school site. Dr. Sutherland explained that the mite infestation was associated with a roof rat

infestation near the HVAC ductwork above the nurse's station. The mites were crawling through gaps in the ceiling tiles and dropping onto room occupants. Dr. Sutherland noted that this is a common problem and that if you have rats nesting in a structure, you have mites as well.

XI. Closing Remarks – Aimee Norman

The next PMAC meeting will be held on November 12, 2024.

PMAC agendas, meeting summaries, membership roster, and other information are posted to DPR's Website at: <https://www.cdpr.ca.gov/docs/dept/pmac/pmaclink.htm>

Please direct questions about the PMAC or agenda topics to:

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