



MEMORANDUM

Pest Management Advisory Committee (PMAC) Quarterly Meeting

9:30 a.m. – 2:30 p.m., February 13, 2025

Northern Regional Office
3077 Fite Circle, Suite 100
Sacramento, CA 95827

The following PMAC members will be attending the meeting remotely via Zoom:

Ex Officio

Sapna Thottathil (Designee Chair) – California Department of Pesticide Regulation
Brian Gress – California Department of Food and Agriculture
Jim Farrar – UC Statewide IPM Program

Academia and Public Foundations

Thomas Getts – UC Cooperative Extension
Roger Baldwin – UC Agriculture and Natural Resources
Karey Windbiel-Rojas – UC Statewide IPM Program
Greg Browne – USDA, Agricultural Research Service

Agricultural Production

Hanna Kahl – Community Alliance with Family Farmers
Jessica Gonzalez – California Certified Organic Farmers
Alison Laslett – Santa Barbara Vintners
Bill Turechek – California Strawberry Commission
Gabriele Ludwig – Almond Board of California

Environmental and Public Interest Organizations

Jonathan Evans – Center for Biological Diversity
Margaret Reeves – Pesticide Action Network North America

Farm Labor Organization

Anne Katten – California Rural Legal Assistance Foundation

Nonagricultural Pesticide User Groups

Efrain Velasco – California Pest Management Association

Pest Control Advisers

Patrick Dosier – California Association of Pest Control Advisers
Nick Lupien – California Association of Pest Control Advisers

Registrants and Trade Associations

Terry Gage – California Agricultural Aircraft Association
Eric Stein – Western Plant Health Association
Elizabeth Henry – Pro Farm Group

2025 Research Grant Proposals

Dr. Gurreet Brar, California State University, Fresno

“Understanding migration and distribution of systemic pesticide residue in pistachio nut tissues”

\$268,134

Dr. Alejandro Calderon-Urrea, California State University, Fresno

“Safe and effective nematicides developed at Fresno State: testing in California prior to EPA registration”

\$499,997

Dr. Dong-Hwan Choe, University of California, Riverside

“Impact of High Temperature and Chitin Synthesis inhibitors on Gut Microbial Symbiont Community and Desiccation Tolerance in Western Drywood Termite”

\$359,703

Dr. Richard Cobb, California Polytechnic State University, San Luis Obispo

*“Developing the biocontrol *Phlebiopsis gigantea* as a replacement for boric acid based fungicides in California forestry”*

\$312,056

Dr. Abhaya Dandekar, University of California, Davis

“Translational research to deploy Rootstock Incorporated Protectants that provide RNAi—mediated suppression of crown gall disease for orchard and vineyard crops”

\$499,004

Dr. Shunping Ding, California Polytechnic State University, San Luis Obispo

“Reducing use of synthetic fungicides in grapevine powdery mildew management by effectively integrating biofungicides”

\$404,228

Dr. Sudan Gyawaly, University of California, Davis

“Developing sustainable walnut husk fly management practices using entomopathogens”

\$439,489

Dr. Daniel Hasegawa, United States Department of Agriculture – Agricultural Research Service

“Advancing receptor interference technologies as a tool for managing key insect pests of vegetables”

\$348,674

Dr. Fatemeh Khodadadi, University of California, Riverside

“Impact of Fungicide Oxathiapiprolin on the Rhizosphere Microbiome and Phytophthora Resistance in Citrus and Avocado Orchards”

\$489,217

Dr. Chow-Yang Lee, University of California, Riverside

“Development of a rapid diagnostic test for detecting insecticide resistance in bed bugs in low-income housing”

\$332,727

Dr. Chow-Yang Lee, University of California, Riverside

“Improvement of silica gel dust and dust mixtures as safer alternatives, and development of a lethal harborage for German cockroach control”

\$291,175

Dr. Chow-Yang Lee, University of California, Riverside

“Evaluation of boric acid-sucralose and selenium-sucralose gel bait formulations against German cockroach, an important indoor health pest of low-income housing”

\$324,539

Dr. Bangya Ma, ActiveCross LLC

“A New Biochemical Fungicide Ningnanmycin for Safe and Effective Powdery Mildew Management in California”

\$499,606

Dr. Zhongli Pan, University of California, Davis

“Development of an AI vision system for improving integrated pest management in tree nut orchards”

\$499,945

Dr. Gerald Presley, Oregon State University

“Borate timber treatment: A California-based solution for mitigating sulfuryl fluoride fumigation for termites”

\$436,994

Dr. Jhalendra Rijal, University of California Agriculture and Natural Resources

“Developing cultural and biological-based practices for managing navel orangeworm and invasive carpophilus beetle in almond and pistachio orchards”

\$498,998

Dr. Philippe Rolshausen, University of California, Riverside

“Precision Pesticide Use for Citrus Under Protective Screens”

\$496,126

Dr. Mohammad Sadek, California Polytechnic State University, San Luis Obispo

“Can microwave be a fumigant alternative to control Macrophomina root rot in strawberries?”

\$334,593

Dr. Christopher Shogren, University of California Agriculture and Natural Resources

“Developing an IPM program for the invasive eucalyptus beetle Paropsis atomaria”

\$270,676

Dr. Shahid Siddique, University of California, Davis
"NemaBlock: RNAi-Based Resistance for Walnut Orchards"
\$494,833

Dr. Siavash Taravati, University of California Agriculture and Natural Resources
"Balancing safety and efficacy: Testing low-risk pesticides against two California mosquito species"
\$356,517