

2025 Proposals Funded

Project #	Principal Investigator	Proposal Title	Amount Funded
Education			
ED-2025-1	Julia Stover Blackburn	California Pistachio Research Board Event Facilitation.	\$15,000.00
ED-2025-2	Julia Stover Blackburn	Wildeye Weather Station Data Management and Integration	\$7,500.00
ED-2025-51	Alissa Kendall	Environmental Benefits and Impacts in a Rapidly Solarizing California Pistachio Industry	\$43,452.00
Entomology			
ENT-2025-3B	Raman Bansal / Mikhail Shilman	Evaluating natural products-based chemicals for controlling navel orangeworm and Gill's mealybug	\$18,692.00
ENT-2025-4	Raman Bansal	Evaluating entomopathogenic fungi for controlling Gill's mealybug	\$18,586.00
ENT-2025-5	Raman Bansal	Preserving the effectiveness of chemicals for controlling Gill's mealybug	\$18,586.00
ENT-2025-7	David Crowder	Developing a decision support system for naval orangeworm	\$21,075.00
ENT-2025-8	Reza Ehsani	Enhancing the speed and efficiency of Pistachio Mummy Nut Removal using a novel continuous canopy shaker	\$74,935.00
ENT-2025-9	David Haviland	Optimizing chemical control programs for Gill's mealybug in pistachios	\$32,878.00
ENT-2025-13	Joel Siegel	Control of navel orangeworm: focus on increasing insecticide efficacy and reducing application volume using organosilicone adjuvants	\$75,000.00
ENT-2025-16	Spencer Walse	Initial screening of Gill's mealybug pheromones	\$17,575.00
ENT-2025-17W	Houston Wilson / Jhalendra Rijal / David Haviland / Raman Bansal / Sudan Gyawaly	Ecology, Monitoring and Management of Carpophilus Beetle	\$74,524.00
ENT-2025-18	Houston Wilson	Optimizing New Commercial Lures for Monitoring Leaf-footed Bug (Coreidae: Leptoglossus zonatus)	\$61,787.00
ENT-2025-19W	Houston Wilson / Charles Burks / Raman Bansal	Development of sterile insect technique for navel orangeworm	\$96,479.00
Food Science			
FS-2025-21	Themis Michailides	Identification of sources of and factors affecting ochratoxin A (OTA) contamination in California pistachios and its	\$74,090.00
Horticulture: Agronomics			
HA-2025-22	Douglas Amaral	Comparing the Efficiency of Different Foliar-Applied Zinc Formulations on Bud Development in Pistachio (Year 2)	\$68,763.00
HA-2025-24	Douglas Amaral	Rapid, eco-friendly and cost-effective assessment of nutrient content in pistachio leaves via portable X-ray fluorescence spectrometry: a contribution for smart farming agriculture	\$45,000.00
HA-2025-25	Phoebe Gordon	Determining non-bearing pistachio nitrogen and phosphorus needs, year 4	\$67,500.89
HA-2025-27L	Bruce Lampinen / Mae Culumbaer	Evaluating new training systems for pistachio	\$85,729.00

HA-2025-28	Giulia Marino	Combining Proximal and Remote Water Stress indicators to optimize Pistachio Water Use	\$74,692.00
HA-2025-29	Tobias Oker	Evaluating the effectiveness of nanobubble technology to improve water infiltration and leaching of saline-sodic soils	\$23,944.00
Horticulture: Genetics			
HG-2025-36B	Pat J. Brown / Themis Michailides / Florent Trouillas	Collaborative Pistachio Rootstock Breeding	\$150,341.00
HG-2025-37	Pat J. Brown	Pistachio Improvement Program	\$225,000.00
HG-2025-39	Grey Monroe	Next-generation genomic tools for the pistachio industry	\$94,660.00
Horticulture: Physiology			
HP-2025-40	Barbara Blanco-Ulate	How Bloom Time and Seasonal Temperatures Affect Nut Growth and Quality ? Focus on modeling "Golden Hills" and "Gumdrop"	\$98,680.00
HP-2025-41	Gurreer Brar	Understanding migration and distribution of systemic pesticide residue in pistachio nut tissues	\$100,000.00
HP- 2025-42	Georgia Drakakaki	Effect of 1-aminocyclopropane carboxylic acid (ACC) application on fruit abscission and harvest optimization	\$101,123.00
HP-2025-45	Giulia Marino	Pollen-parent effects on fruit set and nut quality in Pistachio	\$71,412.00
HP-2025-46	Li Tian	Leveraging gene expression markers for precision bud-break enhancement in pistachios	\$89,613.00
Pathology			
PA-2025-47	Themis Michailides	Quantification and management of fungicide resistance in Alternaria populations causing Alternaria late blight in California pistachio orchards	\$79,459.00
PA-2025-48	Themis Michailides	Management of aflatoxin contamination in pistachio using atoxigenic strains of <i>Aspergillus flavus</i> biocontrol technology: Improving the efficacy of biocontrol treatments, including area-wide applications.	\$91,924.00
PA-2025-49	Florent Trouillas	Characterization and management of Phytophthora crassamura and Phytophthora nicotianae, two new and emerging crown and root rot pathogens of pistachio trees in California	\$78,149.00

Total Funded	\$2,196,148.89
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