

California Pistachio Research Board

2016 Research Projects

Proposal Title	Principal Investigator	Amount Awarded
Entomology Research		
Developmental and environmental impacts on pesticide detoxification in navel orangeworm (<i>Amyelois transitella</i>)	May Berenbaum	\$35,000
Improving navel orangeworm monitoring and field testing irradiated moths	Charles S. Burks	\$44,100
Monitoring the Adult Navel Orangeworm Moths with Pheromone and Host-Plant Volatiles	Ring Cardé	\$25,706
Risk of Brown Marmorated Stink Bug to Pistachios in the San Joaquin Valley	Mark S. Hoddle	\$23,944
Improving Leaffooted Bug Management in Pistachio by Enhancing Monitoring Tools and Reducing Overwintering Populations using Insecticides	Kris Tollerup	\$35,828
Another look at pheromonal or related attractants for leaffooted bugs (<i>Leptoglossus</i> spp.) infesting California nut crops	Jocelyn Millar/Kent Daane	\$24,838
Population dynamics and epidemiology of navel orangeworm damage to pistachios	Joel Siegel	\$100,000
Understanding Aggregation Behavior of the Leaffooted bug, <i>Leptoglossus zonatus</i>	Andrea Joyce	\$25,391
Horticulture Research		
Effect of Hedging and Topping on Pistachio Alternate Bearing	Robert H. Beede	\$6,500
Understanding Winter Chill Accumulation & Continuing Development of A Temperature Based Phenology Model For Pistachios	Louise Ferguson	\$45,225
Routine Pistachio Variety Identification using DNA Markers	Gerald S. Dangl	\$28,862
Cellular, subcellular and molecular characterization of salinity tolerance in pistachio with novel tools	Georgia Drakakaki	\$63,161
Evaluation of U.C. pistachio breeding scion and rootstock selections	Craig Kallsen	\$13,000
Identification of Superior UCB-1 Rootstocks using DNA Markers	Deborah Golino	\$109,394
Development of Physiology Based Methods for Sustainable management of Pistachios--Focus on Physiology of Chilling Requirement	Maciej Zwieniecki	\$85,860
Pathology Research		
Performance of 'UCB-1' pistachio rootstock selections and pre-plant soil fumigation in a sandy location with high counts of plant parasitic nematodes	David Doll	\$10,963
Soil survival potential of <i>Rhodococcus</i> spp. associated with pistachio bushy top syndrome	Elizabeth Fichtner	\$23,980
Oomycete pathogens in California pistachio: predisposition in saline soils and disease management	Elizabeth Fichtner	\$28,829
Deep sequencing-based discovery of viruses and virus-like pathogens in Pistachio	Deborah Golino	\$56,939
Improving the Efficacy of AF36 and Monitoring Commercial Applications	Themis J. Michailides	\$62,018
Managing resistance of <i>Alternaria</i> species to succinate dehydrogenase inhibitor fungicides and the characterization of additional mutation(s) conferring resistance to fluopyram in pistachio orchards of California	Themis J. Michailides	\$51,454
Management of <i>Alternaria</i> Late Blight of Pistachio Under the Prospect of El Niño Year	Themis J. Michailides	\$45,893
Investigating and diagnosing new and emerging diseases of pistachio in California	Florent Trouillas	\$68,551
Taxonomy, population structure and genetic diversity of <i>Rhodococcus</i> isolates from California pistachio	Florent Trouillas	\$18,951
Education Research		
Establishing an Online Pistachio Education Program to Train Pistachio Growers and Handlers	Carlos H. Crisosto	\$12,000