

California Pistachio Research Board

2014 Research Projects

Proposal Title	Principal Investigator	Amount Awarded
Developing a Growing Season Phenology Model for Pistachio Cultivars	Louise Ferguson	\$24,175
Effect of Hedging and Topping on Pistachio Alternate Bearing	Robert H. Beede	\$8,000
Detoxification of insecticide combinations by navel orangeworms resistant to pyrethroid insecticides	May Berenbaum	\$35,000
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	\$12,500
Sodium Distribution and Physiology of Sodium Management in Pistachio	Maciej Zwieniecki	\$47,930
Deep sequencing-based discovery of viral and viral-like pathogens in Pistachio	Deborah Golino	\$59,033
Understanding the biology and improving the management of glyphosate-resistant weeds in pistachios	Brad Hanson	\$24,939
Precocious Pistachio Seedling Evaluation, 2014-15	Craig Kallsen	\$10,750
Evaluation of pistachio breeding selections	Craig Kallsen	\$10,000
Reducing Winter Juvenile Pistachio Freeze Damage	Craig Kallsen	\$2,850
Increasing root zone Ca ²⁺ concentration will decrease uptake and transport of Na ⁺ and enhance plant growth of Pistacia species grown in saline soils	Louise Ferguson	\$48,500
Identification of Superior UCB-1 Rootstocks using DNA Markers	Deborah Golino	\$97,977
Large-Scale Utilization of Saline Groundwater for Development and Irrigation of Pistachios Interplanted with Cotton	Blake Sanden	\$59,133
Effect of Pre-plant Tillage on Pistachio Development Under Drip Irrigation	Blake Sanden	\$4,935
In-season insecticide control of navel orangeworm: assessment of application coverage	Joel Siegel	\$80,000
Improving insecticide timing and optimizing insecticide use	Joel Siegel	\$80,000
Integrated navel orangeworm control, resistance management, insecticide fate- transport, and MRL mitigation	Spencer Walse Joel Siegel	\$56,100
Monitoring and improving the efficacy and timing of application of AF36 in commercial orchards and aflatoxin contamination of closed shell nuts	Themis J. Michailides	\$69,709
Management of Alternaria Late Blight of Pistachio and Effects of Fungicides Against Phoma fungicola	Themis J. Michailides	\$58,366
Management of Botryosphaeria and Botrytis Blights and Susceptibility of Pistachio Cultivars and Pruning Wounds to Infection	Themis J. Michailides	\$62,251
Physiological Stress Research	Zwieniecki	\$50,000
Studying the xenia effect in pistachio cultivar Pete-1 to determine the effect of pollen parent on nut quality/nut blanking	Gurreet Brar	\$7,000
Monitoring the Adult Navel Orangeworm Moths with Pheromone and Host-Plant Volatiles	Ring Cardé	\$40,079
Evaluation of New Insecticides for Big Bug Management on Pistachio and their Postharvest Dispersion in Neighboring Plantings of Pistachio and Almond	Kris Tollerup	\$44,652
Classical Biological Control of the Brown Marmorated Stink Bug and Surveillance for this Pest in the Central Valley	Mark S. Hoddle	\$17,500
Investigating the association of Rhodococcus sp. with Pistachio Bushy Top Syndrome (PBTS)	Jennifer J. Randall	\$80,426