

VIII. Project Summary Table.

Project Title or Creative Activity/Duration	Role (PI, Co-PI, etc.)	Collaborators (with affiliation)	Support to my program	Support Source
Almond Fumigant Studies 5/1/2013-Current	PI: Yes Maintenance work on four established trials. Funds are used for nematode sampling, treatment applications, and project labor. I supervised the installation and follow up work on the project.	Greg Browne (USDA-ARS) Brad Hanson (UC Davis) Steve Fennimore (UC Davis) Andrew Johnson (UC Davis)	\$96,328 over past 3 years	Almond Board of California
Almond Rootstock Trial 5/1/2012- Current	PI: Yes Maintaining the rootstock plot within Merced County. 14 rootstocks were planted and are being evaluated for growth characteristics.	Roger Duncan (UCCE Stanislaus)	\$55,000 over the past 5 years	Almond Board of California
Integration of walnut rootstocks and spacings 5/1/2015-Current	PI: Yes Establishing the research plot, maintaining the plot and collecting data.	Bruce Lampinen (UC Davis)	\$35,800 over the past two years.	California Walnut Research Board
ET/Yield Production Function 5/1/2012-9/30/2017	PI: Yes Maintaining trial location, installing treatments, harvesting plot, and working with the grower to ensure a smooth process.	Ken Shackel (UC Davis) Bruce Lampinen (UC Davis) Blake Sanden (UCCE Kern) Allan Fulton (UCCE Tehama)	\$193,000 over five years (Total project ~\$600,000)	Almond Board of California
Winter Irrigation Treatments for Groundwater Recharge 5/1/2015- Current	Collaborator Responsible for finding trial location, performing field measurements, and applying treatments.	Ken Shackel (UC Davis) Helen Dahlke (UC Davis) Astrid Volder (UC Davis) Bruce Lampinen (UC Davis)	~\$26,000 over three years (Total project ~\$152,000)	Almond Board of California
Integrated management of wood diseases for sustainable productivity and profitability of fruit and nut crops 10/1/2012-9/30/2017	PI: Yes Conduct research on wood cankers within almonds and develop management practices.	Kendra Baumgartner (USDA-ARS) Philippe Rolshausen (UC Riverside) Themis Michailides (UC Davis)	\$229,881 (Total project ~\$4.2 million)	USDA-SCRI

Project Summary Tables

Using TIF tarp and reduced fumigation rates for almond replanting 5/1/2013-Current	Co-PI: Yes Find trial locations, establish field plots, and maintain trial locations.	Suduan Gao (USDA-ARS) Greg Browne (USDA-ARS) Brad Hanson (UC Davis)	\$54,000 over three years (Total project \$425,000)	CDFA/ Almond Board of California
Evaluating and extending the use of small, multi-rotor unmanned aerial vehicles (UAV's) as a crop monitoring tool.	PI: Yes Find test sites, organize team.	Gregory Kriehn (CSU Fresno) YangQuan Chen (UC Merced)	\$45,000 (Total project \$255,000)	UC ANR Competitive Grants
Determining the impacts of plant parasitic nematodes and soil fumigation on pistachio growth. 4/1/2014-3/31/2017	PI: Yes Find test sites, apply treatments	James Jones (UCCE Merced) Louise Ferguson (UC Davis)	\$93,384	Department of Pesticide Regulation
Managing nematode parasitism and Prunus Replant Disease in almond with spot fumigation and rootstocks. 4/1/2014-3/31/2017	PI: Yes Find test sites, apply and evaluate treatments	James Jones (UCCE Merced) Roger Duncan (UCCE Stanislaus) Greg Browne (USDA-ARS)	\$108,000 (Total project ~\$135,000)	Department of Pesticide Regulation
Whole orchard incorporation as an almond replant strategy. 5/1/2011 - Current	PI: NO Evaluate plots, help establish long term studies.	Brent Holtz (UCCE San Joaquin) Greg Browne (USDA-ARS)		In-kind
Sustainable Almond Project (10/1/2010-9/30/2015)	PI: NO Attend and present at meetings, provide background and interpretation of field data. Outreach project.	Marcia Gibbs, Pete Goodell (UC IPM), and Walt Bentley (UC IPM, emeritus)		In-kind
Alternatives to soil fumigation: management of nematode parasitism within almonds.	PI: Yes Identify trial sites, apply field treatments, collect samples, and data analysis.	Various	\$4000 annually	In-kind, donation support