CRB Research Projects - FY 2018-19

Project Number	Project Title	Principal Investigator	Affiliation
5200 - New Varieties Development			
Continuing Projects			
5200-154	Development of HLB resistance through inarching novel, disease tolerant hybrids and through breeding	Chandrika Ramadugu	UC Riverside
5200-155	Identification of Fruit Specific Founder Lines for RMCE gene stacking	James Thomson	USDA-ARS
5200-156	Inducible flowering for accelerated citrus breeding	Sean Cutler	UC Riverside
5200-165	Development of mature budwood formation technology	James Thomson	USDA-ARS
5200-201	CORE: Integrated citrus breeding and evaluation for California	Mikeal Roose & Tracy Kahn	UC Riverside
New Projects			
5200-166	Engineering Citrus using recent advances in gene editing technologies	Vivian Irish	Yale Univ.
5200-167	Developing gene targeting systems for use in Citrus	Yannick Jacob	Yale Univ.
5200-168	Greenhouse methods for evaluating scion and rootstock tolerance to CLas	Kim Bowman	USDA-ARS
5200-169	Field testing to identify elite rootstocks that can mitigate or prevent HLB in scions commercially I	Jude Grosser	Univ. of Florida
5300 - Vectored Diseases			
Continuing Projects			
5300-179	Next generation sequencing as a CCPP routine diagnostic tool for citrus variety introduction	Georgios Vidalakis	UC Riverside
5300-185[a]	Assessing Impact MCA13-Reactive Citrus tristeza virus isolates in Tulare County Pest Control District	Ray Yokomi	USDA-ARS
5300-188	An NGS-based system for unambiguous detection of HLB pathogen	Jianchi Chen	USDA-ARS
5300-189[b]	Engaging citrus hobbyists online to reduce the spread of HLB and citrus psyllids (CPDPP)	Dan Willey	Fruitmentor
5300-190	High performance California-derived CTV-based vectors for the control of HLB and other applications	James Ng	UC Riverside
New Projects			
5300-182[b]	DATOC: Data Analysis and Tactical Operations Center (CPDPP)	Neil McRoberts	UC Davis
5300-192[b]	Economic Returns from Coordinated Actions to Control HLB (CPDPP)	Bruce Babcock	UC Riverside
5300-193	Modeling the interactions between CLas and citrus for HLB detection and management	James Borneman	UC Riverside
5300-194	Infrastructure support for CRB-funded research on the huanglongbing/Asian citrus psyllid pathosystem	Kris Godfrey	UC Davis
5300-195	Application of dual functional citrus-derived antimicrobial peptides to cure HLB and protect citrus	Hailing Jin	UC Riverside
5300-196	A screen of nodule-specific cysteine-rich peptides for control of the HLB bacterium in citrus	Michelle Heck	USDA-ARS
5300-197	Development of antimicrobials as potential treatments for managing HLB	James Adaskaveg	UC Riverside

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5300-198	Prophylactic treatments to prevent HLB	Greg McCollum	USDA-ARS
5300-199[b]	Risk-based survey for decision making in the management of Huanglongbing: Phase II (CPDPP)	Timothy Gottwald	USDA-ARS
5300-200[b]	Predict likelihood of ACP/HLB dispersal into CA commercial citrus under different control protocols	Timothy Gottwald	USDA-ARS
5400 - Production & Post-Harvest Technologies			
Continuing Projects			
5100-154	Citrus dwarfing of commercial varieties using TsnRNAs	Georgios Vidalakis	UC Riverside
5400-103	Evaluation of new postharvest treatments to reduce postharvest decays in packinghouse operations	James Adaskaveg	UC Riverside
5400-151	Control of Mucor rot and gray mold on citrus fruit	Chang-Lin Xiao	USDA-ARS
5400-153	Lemon fruit drop in the Coachella Desert	Glenn Wright	Univ. of Arizona
New Projects			
5400-154	Citrus undercover production systems (CUPS) for California	Philippe Rolshausen	UC Riverside
5400-155	Epidemiology and management of phytophthora diseases of citrus in California	James Adaskaveg	UC Riverside
5400-156	Forecasting and management of Septoria spot of citrus	James Adaskaveg	UC Riverside
5400-157	Alternaria and Colletotrichum diseases in citrus: Phylogeny, epidemiology, and fungicide management	Themis Michailides	UC ANR
5500 - Pest Management			
Continuing Projects			
5500-189	Optimizing chemical control of Asian citrus psyllid in California	Elizabeth Grafton-Cardwell	UC Riverside
5500-210	Mitigating export risks associated with Bean thrips	Mark Hoddle	UC Riverside
5500-214	Improving citrus IPM practices for mandarins using grower data and experimentation	Jay Rosenheim	UC Davis
5500-501	CORE: Citrus IPM Program	Elizabeth Grafton-Cardwell	UC Riverside
New Projects			
5500-215[b]	Assuring supply of high quality *T. radiata* for biocontrol and supply ACP to research programs (CPDPP)	Richard Stouthamer	UC Riverside
5500-216	Implementing a resistance monitoring program for ACP in California citrus	Frank Byrne	UC Riverside
5500-217	Transgenesis and paratransgenesis tools for the control of the Asian citrus psyllid	Omar Akbari	UC San Diego
5500-218	Novel treatments for quarantine insect pests	Spencer Walse	USDA-ARS
USDA Sub-awards			
5050-010[c]	Breaking critical pest-related trade barriers for California citrus exports (TASC)	Spencer Walse	USDA-ARS
Other Programs			
6100	Citrus Clonal Protection Program (CCPP)	Georgios Vidalakis	UC Riverside