Research at Citrona Farms

2000  John Eadie, Professor, Ada Fowler, graduate student, Kirk Ehmsen, undergraduate, UCD Dept. Wildlife, Fish and Conservation Biology: Wild turkey ecology and genetics

Jan Goerrissen, graduate student, UCD Dept. Wildlife, Fish and Conservation Biology: Ecology of Loggerhead Shrikes

Juan Ochoa, graduate student, San Francisco State University Dept. Geography and Human Environmental Studies: Walnut field margins

2004  Will De Bello, Professor, Adrian Rodriguez-Contreras, graduate student, UCD Dept. of Neurobiology Physiology and Behavior: Neurological pathways of barn owls

Scott Butterfield, graduate student, Michigan State University, Plant Biology Department: Remote sensing and other geospatial technologies in rangeland management and monitoring


Agriculture Research Service, USDA, Burns OR: Native grassland exclusion study

2006  Truman Young, Professor, Marit Wilkerson, graduate student, UCD Dept. Plant Sciences: Forbs in Hedgerows

2007  Daniel Constable, Yolo County Resource Conservation District: Surface and subsurface flow of sediment, DOC and nitrogen, Willow slough watershed

Lawrence Marais, Monterey Ag Resources: Organic herbicides in walnuts

Louise Jackson, Professor, Annie Young-Mathews, graduate student, UCD Dept. Land, Air and Water Resources: Soil and vegetation in dry waterways in Yolo County

Karen Klonsky, UC Cooperative Extension, Stephen Brush, Professor, UCD Dept. Human and Community Development: Adoption of biodiversity enhancing features on California farms

Katharina Ullmann, Xerces Society: Native pollinators and hedgerows

2008  Valerie Eviner, Professor, UCD Dept. Plant Sciences: Restoration success factors

Claire Kremen, Professor, Christina Locke, graduate student, Hillary Sardinas, graduate student, UC Berkeley Dept. Environmental Sciences, Policy and Management: Native and non-native pollinators and hedgerows

2011 Andrew Wrayburn, post doc, UCD Dept. Plant Sciences: Spatial methods in native grassland restoration

2013 Rachael Long, UC Cooperative Extension: Hedgerow systems in walnuts
Laurel Sellers, graduate student, UCD Dept. Environmental Science and Policy: Vertebrates in hedgerows in walnuts
Sacha Heath, graduate student, UCD Dept. Environmental Science and Policy: Bird behavior and pest predation in hedgerows in walnuts
Kate Ingram, graduate student, UCD Dept. Environmental Science and Policy: Bat pest predation in walnuts
Kristina Wolf, graduate student, UCD Dept. Plant Sciences: Native and non-native grassland vertebrate ecology
Luis Solari, Celeste Gilbert, Marrone Bio Innovations: Plant-based bioprotectant in walnuts

2014 Melissa O’Neal, Marrone Bio Innovations: Plant-based bioprotectant in walnuts
Steve Seybold, USDA Forest Service, Katherine Pope, UC Cooperative Extension: Cork oak gall wasp/parasite ecosystem

2015 Sara Kross, postdoctoral fellow, Ryan Bourbour and Breanna Martinico, undergraduate students, UC Davis Dept. Wildlife, Fish and Conservation Biology, and the Nature Conservancy: Owl diet in orchard versus row crop habitats
Kelly Garbach, Loyola University, and Rachael Long, UC Cooperative Extension: Weeds in hedgerow and non-hedgerow crop borders

2016 Misty D. Nelson, Trisha Velasquez, Arti Sharma, Alexis Clark, Zachary McDonald, Hannah Bishop-Moser, CA Dept. of Fish and Wildlife: Ecoregion Biodiversity Monitoring project
Katherine Pope and Craig Schriefer, UC Cooperative Extension: Dynamic nutrient and tissue monitoring in walnuts

2017 Anna Davidson, Manager, Carbohydrate Observatory and Maciej Zwieniecki, Professor, UC Davis Dept. of Plant Sciences: Carbohydrate Metabolism in walnuts.
Chandrasekar Venkitasamy and Zhongli Pan, UCD Biological and Agricultural Engineering Department: Dynamics and mechanics of walnut dehydration.

Alex J. Webster, Peter M. Groffman, Mary L. Cadenasso, UCD Dept. of Plant Sciences: Controls on denitrification potential in nitrate-rich waterways and riparian zones of an irrigated agricultural setting.

2018 Jo Ann Baumgartner, Wild Farm Alliance: Birds as Pest Control Allies.

Katherine Uhl, graduate student, Katie Fyhrie, Lab Manager, and Alyson Mitchell, Professor, UC Davis Food Science and Technology: Harvesting Hedgerows: Assessing the potential of Elderberry as a CA specialty crop.

Emily Philips, Breanna Martinico, Ryan Bourbour, graduate students and Joshua Hull, Professor, UCD Dept. of Animal Sciences: UC Davis Barn Owl Project.

Yuzhu Zhang, Research Chemist, ARS, USDA Albany, CA: mRNA / protein sequencing in walnuts and walnut weevils.

Jessica Schlärbaum, graduate student, UCD Avian Science Dept.: Prey preferences and provisioning rates of American Kestrels (Falco sparverius) in the Central Valley.

2019 Alana Stein, PhD student and Catherine Brinkley, Professor, Community and Regional Development, UC Davis Dept. of Sociology: Yolo Food Bank Case Study.


Chad W. Moura, graduate student, Wildlife, Humboldt State University: Camera traps to monitor carnivorous mammals in California’s Central Valley.

Andreas Westphal, Dept. of Nematology, Kearney Agricultural Center, and Katherine Jarvis-Shean, UC Cooperative Extension: Post plant nematocide trials in Chandler walnuts.

Hillary Sardinas, post doc, Gordon Smith, post doc, Jamison Scholes, research tech, Lauren Ponisio, professor, UC Riverside: Foraging and native bee health, with special regard to Osmia californica (California mason bee), in hedgerow systems.