

**CRDF Funded Projects as of March 3, 2023**

<b>Project No#</b>	<b>Principal Investigator</b>	<b>Institution</b>	<b>Project Title</b>
16-026C	Manker, Denise NIFA funding	Bayer Crop Science	Collaborative approach between academics, growers and agrochemical industry to discover, develop and commercialize therapies for citrus huanglongbing (HLB)
19-010	Dewdney, Megan	University of Florida	Determining new cost-benefit guided Phytophthora propagule treatment thresholds for HLB-affected citrus
20-002C	Diepenbrock, Lauren	University of Florida	Developing near and long-term management strategies for Lebeck mealybug (Nipaecoccus viridis) in Florida citrus
20-004	Kadyampakeni, Davie	University of Florida	Organic acids compared to conventional acidification for improved nutrient uptake and root physiology
20-011	Vashisth, Tripti	University of Florida	Right Leaf Sampling-The first and most critical step to good nutrition program
20-015C	Leslie, Michele Elemental Enzymes	Elemental Enzymes	Vismax™: A novel peptide-based therapeutic for mitigation of citrus diseases, including HLB
20-018C	Davis, Christine (UCD) NIFA Subaward	UC Davis	Collaborative approach between academics, growers and agrochemical industry to discover, develop and commercialize therapies for citrus huanglongbing (HLB)
20-019C	Mandadi, Kranthi (TAMU) NIFA Subaward	TAMU AgriLife	Collaborative approach between academics, growers and agrochemical industry to discover, develop and commercialize therapies for citrus huanglongbing (HLB)
20-020C	Batuman, Ozgur (UF) NIFA Subaward	University of Florida	Collaborative approach between academics, growers and agrochemical industry to discover, develop and commercialize therapies for citrus huanglongbing (HLB)
21-001	Pederson, Clay	Agromillora	Trees for Rootstocks Grower Cooperator Phase 3 Trials
21-002C	Irey, Mike	Southern Gardens	Continuing Support for the Southern Gardens Diagnostic Laboratory
21-003	Jin, Hailing	UC Riverside	Using a stable antimicrobial peptide with dual functions of treating and preventing citrus Huanglongbing
21-005	Albrecht, Ute	University of Florida	Comparison of field performance of citrus trees on rootstocks propagated by seed, cuttings, and tissue culture
21-007	Alferez, Fernando	University of Florida	Reducing fruit drop by altering hormonal responses within the tree through nutritional and hormonal therapies: a mechanistic affordable approach
21-008	Bowman, Kim D.	USDA-ARS	Development of Next-Generation SuperSour rootstocks with tolerance to HLB
21-012	Dewdney, Megan	University of Florida	Evaluating the role of greasy spot and peel disorders in the greasy green defect on citrus fruit
21-013	Duncan, Larry	University of Florida	Integrated management of sting nematode in newly planted citrus trees.
21-014	El Mohtar, Chooa	University of Florida	CTV-T36 vectors as a tool to induce efficient flowering in citrus seedlings
21-021	Pelz-Stelinski, Kirsten	University of Florida	Clas Inhibition with Antisense Oligonucleotides for Management of Citrus Greening Disease
21-024	Schumann, Arnold	University of Florida	Determine optimal timing for application of fertilizer to improve fruit quality and reduce preharvest drop
21-025	Shatters, Robert	USDA-ARS	Transgenic capable field site to assess HLB-resistant and other improved citrus
21-028	Wang, Nian	University of Florida	Generation of non-transgenic HLB-resistant sweet orange varieties using CRISPR-Cas technology
21-032	Albrecht, Ute	University of Florida	Assist with CRDF Phase 3 Rootstock Field Trials

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21-035	Albrecht, Ute	University of Florida	Subcontract to 21-008 K. Bowman: Development of Next-Generation SuperSour rootstocks with tolerance to HLB
22-001	Albrecht, Ute	University of Florida	Directed research – Evaluation of different trunk injection devices and oxytetracycline formulations for efficacy against HLB, phytotoxicity, and feasibility
22-002	Santra, Swadeshmakul	University of Central Florida	Management of tree health and huanglongbing disease pressure using advanced Zn formulations
22-003	Alferez, Fernando	University of Florida	Determining best timing for Brassinosteroid (Brs) application to achieve maximum beneficial effects on citrus tree health and fruit yield and quality
22-006	Curtis, John	Better Crops LLC	CRDF Study on Preharvest Fruit Drop Prevention Using Plant Growth Regulators (PGRs)
22-007	Alico, Inc.	Alico	Grower Cooperator - CRDF Rootstock Trials
22-009	Thayer, Thomas A. Jr.	Southern Citrus Nurseries	Trees for Scion Trials
22-010	Wood, Tamara	CRAFT, Inc.	Large Scale Field Trials Cycle IV
22-011	Chater, John	University of Florida	Using high-throughput phenotyping to screen germplasm and ongoing field trials for promising citrus accessions in HLB-endemic Florida
22-012	Niedz, Randall	USDA-ARS	Identifying Healthy Individuals in the USDA -ARS Citrus Breeding Program and Replicated Second Stage Trials Using Drone Technology and Subsequent Image Analysis
22-013	Diepenbrock, Lauren	University of Florida	Getting to the root of the problem: Managing Diaprepes root weevil on trees with HLB
22-014	Diepenbrock, Lauren	University of Florida	Developing management for Bulimulus bonariensis snails in Florida citrus
22-015	Lagos, Yianni	Soil Cultre Solutions, LLC	Greenhouse and Field Trials of CRISPR-edited citrus varieties
22-016	Dutt, Manjul	University of Florida	Preliminary field trial to evaluate the ability of HLB tolerant rootstocks to protect commercial scions against HLB
22-017	Levy, Amit	University of Florida	Improving the Systemic Uptake of Therapeutic Compounds by Trunk Injections
22-019	Dutt, Manjul	University of Florida	Understanding the HLB tolerance and reduced fruit drop in Parson Brown and evaluation of other early season sweet oranges
22-020	Turgeon, Robert	Cornell University	Protecting citrus trees from citrus greening with anchored, single-chain antibodies