CRDF Current Portfolio

Project No#	Principal Investigator	Institution	Project Title
20-002C	Diepenbrock, Lauren	University of Florida	Developing near and long-term management strategies for Lebbeck 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 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 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 NIFA Subaward	University of Florida	Collaborative approach between academics, growers and agrochemical industry to discover, develop and commercialize therapies for citrus huanglongbing (HLB)
21-002C	Irey, Mike	Southern Gardens	Continuing Support for the Southern Gardens Diagnostic Laboratory
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, Choaa	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
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
22-016	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
23-001	Stelinski, Kirsten	University of Florida	Effects of trunk-injected oxytetracycline on tree infection and health, psyllid pathogenicity, and vector population
23-002	Albrecht, Ute	University of Florida	OTC Directed Research Solicitation: Use of CRDF Rootstock Trial Locations for Testing Bactericides Inserted into Trees Through Systemic Delivery Devices
23-003	Ritenour, Mark	University of Florida	Evaluation of Potential HLB Tolerant Grapefruit Rootstock/Scion Combinations in Florida

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23-004	Wood, Tamara	CRAFT, Inc.	CRAFT Existing Trees Therapies Program: Phase Targeting CRDF and Their Priorities
23-005	Albrecht, Ute	University of Florida	Bac. Trial 1: Use of CRDF Rootstock Trial Locations for Testing Bactericides Inserted into Trees Through Systemic Delivery Devices
23-006	Deng, Zhanao	University of Florida	Evaluating Novel Gene-edited Duncan Grapefruit Mutants for Resistance to Huanglongbing (HLB)
23-009	Curtis, John	Better Crops, LLC	Bac. Trial 2: Use of Bactericide in Combination with GA and 2,4-D (Plant Growth Regulator) (Separate from ongoing CRDF PGR Trials)
23-010	Curtis, John	Better Crops, LLC	Bac. Trial 3: Impact of Bactericides inserted through systemic delivery on improving tree health and root density over time
23-011	Curtis, John	Better Crops, LLC	Bac. Trial 5: Alternative Insertion Sites for Bactericides
23-012	Yonce, Henry	BioTek Agriculture USA	Bac. Trial 6: Bactericide Combined with Vismax TM
23-013	Yonce, Henry	BioTek Agriculture USA	Bac. Trial 8: Yield Comparison Bewteen Bactericide and Non-treated Control Blocks on Yield and Tree Health
23-014	Batuman, Ozgur	University of Florida	Determining the effect of oxytetracycline when rotated with additional crop antimicrobials on citrus phytotoxicity and CLas reduction
23-018	Mandadi, Kranthi	TAMU AgriLife	Truck injection-based evaluation of novel anti-CLas chemistries and OTC combinations for Florida citrus and HLB disease management
23-019	Yonce, Henry	BioTek Agriculture USA	Tank mix 3-day test of 2 products
23-020	Black, Larry	Peace River Packing Company	Participation in CRDF Rootstock Trials
23-021	Brlansky, Ron	University of Florida	Improved Diagnostics and Determination of Triggers for Citrus Blight
23-025	Minter-Yonce	Minter Family Farms	Evaluation of PT 150, PT 159, and TPR 1 for ACP and HLB control in Florida Citrus.
23-026	Wood, Tamara	CRAFT, Inc.	Large Scale Field Trials and Existing Tree Therapies Cycle V
23-027	Wang, Yu	University of Florida	Exploring the efficacy of natural antibacterial agents for CLas control via trunk injection
23-029	Chater, John	University of Florida	Consolidation of citrus breeding plant material to vacate space for Stage I and Stage II field trials and to exploit tolerant germplasm for gene editing strategies.
23-030	Mou, Zhonglin	University of Florida	Evaluate new transgenic rootstocks for HLB tolerance
23-031	Johnson, Weston TCCC	The Coca Cola Company	Accelerate Establishment of Stage 2 Citrus Trials to Combat Citrus Greening Disease
23-032	Triplett, Eric	University of Florida	Proof of concept for phage therapy in the reduction CLas titer and HLB symptoms in citrus
23-034	Messina, Charles	University of Florida	Taking aim at Citrus Greening: Activating the IFAS Crop Transformation Center (ICTC) to implement an idea to product framework
23-035	Yonce, Henry	BioTek Agriculture USA	RFP 1: Phos acid & Copper
23-036	Albrecht, Ute	University of Florida	RFP 2: OTC in a pH neutral solution
23-037	Chaires, Peter	FL Citrus Research Fdn.	M. Mattia, USDA-ARS, re-fly and data collection
23-038	Schirard, Pat	Patrick Fruit Company	Grower Cooperator - CRDF Rootstock Trials