

CRDF-Funded Projects

Project No#	Principal Investigator	Institution	Project Title
16-026C	Manker, Denise	Bayer Crop Science	Establishment and application of tools to allow a systematic approach to identify and characterize hits with confirmed in planta HLB activity.
18-004	Bowman, Kim D.	USDA-ARS	Development of SuperSour and other outstanding rootstocks with tolerance to HLB
18-006	Dewdney, Megan	University of Florida	Understanding the underlying biology of citrus black spot for improved disease management
18-007	Dutt, Manjul	University of Florida	Investigating the role of transgenic rootstock-mediated protection of non-transgenic scion.
18-010	Gmitter, Fred	University of Florida	Upgrading Citrus Genome Sequence Resources: Providing the Most Complete Tools Necessary for Genome Editing Strategies to Create HLB Resistant Cultivars
18-011	Gmitter, Fred	University of Florida	Part A - The UF/CREC Core Citrus Improvement Program
18-013	Jones, Jeffrey B.	University of Florida	Using a Multipronged Approach to Engineer Citrus for Canker Resistance
18-016	McNellis, Tim	Penn State University	Testing grapefruit trees expressing an anti-NodT antibody for resistance to HLB
18-017	Mou, Zhonglin	University of Florida	Establish early-stage field trials for new HLB-tolerant canker-resistant transgenic scions
18-019	Rogers, Elizabeth E.	USDA-ARS	Phloem specific responses to CLas for the identification of novel HLB Resistance Genes
18-020	Santra, Swadeshmakul	University of Central Florida	Novel multi-metal systemic bactericide for HLB control
18-022	Stover, Ed	USDA-ARS	Delivery of Verified HLB-Resistant Transgenic Citrus Cultivars
18-024	Triplett, Eric W.	University of Florida	Foliar phosphate fertilization: a simple, inexpensive, and unregulated approach to control HLB
18-025	Wang, Nian	University of Florida	Optimization of the CRISPR technology for citrus genome editing
18-026	Wang, Nian	University of Florida	Control citrus Huanglongbing by exploiting the interactions between Candidatus Liberibacter asiaticus and citrus
18-028C	Albrecht, Ute	University of Florida	Comparison of field performance of citrus trees on rootstocks propagated by seedlings, cuttings, and tissue culture
18-029C	Albrecht, Ute	University of Florida	Evaluation of citrus rootstock response to HLB in large-scale existing field trials using conventional and automated procedures
18-032C	Alferez, Fernando	University of Florida	Preventing young trees from psyllids and infection with CLas through use of protective netting
18-034C	Dewdney, Megan	University of Florida	Improved postbloom fruit drop management and exploring PFD spread in Florida
18-036C	Duncan, Larry	University of Florida	Cover crops and nematicides: comprehensive nematode IPM across the grove landscape
18-037C	Ferrarezi	University of Florida	Performance of newly released grapefruit cultivars and rootstocks in the Indian River Citrus District
18-039C	Grosser, Jude W.	University of Florida	Part B - The UF/CREC Citrus Improvement Program's Field Trial Evaluations
18-040C	He, Zhenli	University of Florida	Evaluation of the spatiotemporal dynamics of bactericides within the citrus tree via different application methods
18-041C	Johnson, Evan	University of Florida	Characterizing HLB-pH interaction to improve management of root function and tree health
18-042C	Kadyampakeni, Davie	University of Florida	Development of Root Nutrient and Fertilization Guidelines for Huanglongbing (HLB)-Affected Orange and Grapefruit
18-050C	Niedz, Randall P.	USDA-ARS	The effect of the ionization state of iron and citric acid on the health of HLB-infected trees.
18-052C	Qureshi, Jawwad	University of Florida	Sustainable Management of Asian citrus psyllid (ACP) and Citrus Production
18-055C	Qureshi, Jawwad	University of Florida	Optimizing Benefits of UV Reflective Mulch in Solid Block Citrus Plantings
18-058C	Stover, Ed	USDA-ARS	Fort Pierce Field Test Site for Validating HLB and/or ACP Resistance

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18-059C	Strauss, Sarah	University of Florida	Citrus row middle management to improve soil and root health
18-061C	Vashisth, Tripti	University of Florida	Evaluating sustainability of yield and fruit quality of sweet oranges with use of controlled release fertilizer and micronutrients
18-064C	Wang, Nian	University of Florida	Evaluation of the control effect of bactericides against citrus Huanglongbing via trunk injection
18-065C	Stover	USDA-ARS	High-Throughput Inoculation of Transgenic Citrus for HLB Resistance
18-066C	Orbovic, Vladimir	University of Florida	Support role of the Citrus Core Transformation Facility remains crucial for research leading to production of Citrus plants that may be tolerant or resistant to diseases.
18-067C	Zale, Janice	University of Florida	Continued Funding for the Mature Citrus Facility to Produce Disease Tolerant, Transgenic Citrus.
19-001C	Irey	Southern Gardens	Continued Support for the Southern Gardens Diagnostic Laboratory
19-002	Stelinski, Lukasz	UF-CREC	Why spray if you don't need to? Putting the IPM back into citrus IPM by ground truthing spray thresholds
19-009	Johnson, Evan	University of Florida	Whole tree vs. rootstock or scion tolerance to HLB
19-010	Johnson, Evan	University of Florida	Determining new cost-benefit guided Phytophthora propagule treatment thresholds for HLB-affected citrus
19-015	Killiny, Nabil	University of Florida	Evaluation of the tolerance of newly developed citrus cultivars, on different rootstocks, to Huanglongbing
19-016	Duncan, Larry	University of Florida	How do subterranean pests and diseases affect root health of trees with and without HLB?
19-023	Vincent, Christopher	University of Florida	Which commercial adjuvants achieve systemic delivery of antimicrobials?
19-024	Wang, Yu	University of Florida	Near-term approaches of using alternative HLB-tolerant cultivars for increased production and improved juice quality
19-027	Albrecht, Ute	University of Florida	Large-scale testing of the endophytic bacterium Frateuria defensus, a potential biocontrol agent of HLB
19-030C	Albrecht, Ute	University of Florida	Use of compost and interaction with low- and high-vigor rootstocks to accelerate young sweet orange tree establishment and enhance productivity.
20-002C	Diepenbrock, Lauren	University of Florida	Developing near and long-term management strategies for Lebeck mealybug (Nipaecoccus viridis) in Florida citrus
20-003	Ferrarezi, Rhuano	University of Florida	Fertilization of high-density plantings
20-004	Johnson, Evan	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
20-014	Dutt, Manjul	University of Florida	Understanding the role of systemic acquired resistance (SAR) in enhancing tolerance to HLB in the Parson Brown sweet orange
20-015	Leslie, Michele	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)
20-2020C	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)
20-021C	Carlson, Kristen	CRAFT, Inc.	Citrus Research and Field Trials (CRAFT) Program Year Two