2016-17 CRDF Funded Research and Delivery Projects			
Project No.	**Principal Investigator**	**Affiliation**	**Project Title**
424	McNellis, Timothy	Pennsylvania State University	Functional disruption of the NodT outer membrane protein of Candidatus Liberibacter asiaticus for rootstock-mediated resistance to citrus greening using a phloem-directed, single-chain antibody
711	Bonning, Bryony	Iowa State University	Identification of Bacillus thuringiensis endo-toxins active against Adult Asian Citrus Psyllid
715	Dewdney, Megan	University of Florida	The leaf litter cycle of citrus black spot and improvements to current management practices
726	Gonzalez, Carlos	Texas AgriLife Research	A Bacterial Virus Based Method for Biocontrol of Citrus Canker 54% of total
754	Mou, Zhonglin	University of Florida	Application of a natural inducer of systemic acquired resistance and engineering non-host resistance in citrus for controlling citrus canker.
759	Santra, Swadeshmukul	University of Central Florida	Fixed-Quat: A novel alternative to Cu fungicide/bactericide for preventing citrus canker
803	Duan, Yongping	USDA	Characterization and manipulation of the prophages/phages of 'Candidatus Liberibacter asiaticus' for the control of citrus huanglongbing
805	Long, Sharon	Stanford University	Functional genomics of Liberibacter in a model system.
809	Albrigo, Gene	University of Florida	Citrus preharvest drop related to HLB disease-Nature and control
838	Morgan, Kelly	University of Florida	Effect of selected concentrations of calcium bicarbonate on expression of HLB in the greenhouse and grove
850	Albrigo, Gene	University of Florida	Scheduling ACP spring spray selection based on the Citrus Flowering Model
853	LaPointe, Stephen	USDA	Why is Poncirus trifoliata resistant to colonization by Asian citrus psyllid?
858	Santra, Swadeshmukul	University of Central Florida	New non-phytotoxic composite polymer film barrier as ACP repellent for controlling HLB infection
873	McCollum, Greg	USDA	Application of new technologies to expedite cleaning of new accessions for use in Florida
899	Etxeberria, Ed	University of Florida	Strigolactones type growth regulators to combat HLB in Florida
903	Boman, Brian	University of Florida	Establishing citrus nutrition trials for young & mature trees in the Indian River Region to promote plant growth, mitigate HLB, decrease fruit drop, and improve postharvest fruit storage properties
910	Powell, Chuck	University of Florida	An integrated approach for establishment of new citrus plantings faced with the HLB threat
916	Wang, Nian	University of Florida	Screening and application of antibacterial producing microbes to control citrus Huanglongbing
921	Schneider, William L.	USDA	Determining the role of a novel virus in Citrus blight.
922	Wang, Nian	University of Florida	Control citrus canker by manipulating the EBE (effector binding element) of CsLOB1 which is the citrus susceptibility gene for citrus canker disease
925	Dutt, Manjul	University of Florida	Diaprepes control using a plant based insecticidal transgene approach
15-002	Bowman, Kimberly	USDA	Development of Supersour and Other Promising Rootstocks for Florida.
15-003	Bowman, Kimberly	USDA	Metabolomic profiling to accelerate development of HLB tolerant rootstocks
15-005	Dewdney, Megan	University of Florida	Asexual inoculum production of Guignardia citricarpa, the causal agent of citrus black spot
15-008	Etxeberria, Ed	University of Florida	Determination of CLas signal in HLB-affected citrus trees
15-009	Gabriel, Dean	University of Florida	Exploiting the Las phage for potential control of HLB
15-010	Gmitter, Fred	University of Florida	Development and Commercialization of Improved New Disease Resistant Scions and Rootstocks - the Key For a Sustainable and Profitable Florida Citrus Industry
15-013	Grosser, Jude	University of Florida	Understanding and Manipulating the Interaction of Rootstocks and Constant Nutrition to Enhance the Establishment, Longevity and Profitability of Citrus Plantings in HLB-Endemic Areas.
15-016C	Hall, David	USDA	High-Throughput Inoculation of Transgenic Citrus for HLB Resistance
15-017	Killiny, Nabil	University of Florida	Disrupt LuxR solo quorum sensing that mediates plant virulence and insect transmission of Candidatus Liberibacter asiaticus to control the disease
15-020	Mou, Zhonglin	University of Florida	Create citrus varieties resistant to Huanglongbing (HLB) through transgenic and nontransgenic approaches.
15-021	Pelz-Stelinski, Kirsten	University of Florida	Regulation of Las transmission and microbial colonization by the Asian citrus psyllid immune system
15-022	Reuber, T. Lynne	Two Blades Foundation	Engineering citrus for canker resistance
15-023	Schumann, Arnold	University of Florida	Citrus nutrition studies for improved survival of HLB-affected trees

15-024	Stelinski, Lukasz	University of Florida	Predicting When, Why, and Where Asian citrus psyllids move to increase effectiveness of insecticide sprays.
15-025	Stover, Ed	USDA	HLB Resistance and Tolerance in Citrus Scion Breeding
15-026	Stover, Ed	USDA	Implementing Transgenic Tools to Produce Commercial Scion Cultivars Resistant to HLB and Canker
15-027	Triplett, Eric	University of Florida	Developing a culture medium for Liberibacter asiaticus through comparative multi 'omics analysis with its closest cultured relative, L. crescens
15-028	Wang, Nian	University of Florida	Control citrus Huanglongbing (HLB) by counteracting the SA hydroxylase of Candidatus Liberibacter asiaticus
15-030C	Rogers, Michael	University of Florida	Continuing Field Trial Support for CRDF CPDC
15-032C	Irey, Mike	US Sugar Corp/Southern Gardens	Continued Support for the Southern Gardens Diagnostic Laboratory
15-033C	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.
15-034C	Batuman, Ozgur	University of Florida	Continuation of diagnostic service for growers for detection of Huanglongbing in citrus and psyllids to aid in management decisions
15-035C	Rogers, Michael	University of Florida	Continuing support of Citrus Health Management Areas (CHMA's)
15-036C	Rogers, Michael	University of Florida	Correlating pesticide residue analysis with psyllid feeding to improve protection of young trees.
15-037C	Santra, Swadeshmukul	University of Central Florida	T-SOL™ antimicrobial for the management of citrus canker and HLB
15-038C	Stelinski, Lukasz	University of Florida	Insecticide resistance monitoring and management in Florida citrus to maintain sustainable control of Asian citrus psyllid within Citrus Health Management Areas.
15-039C	Stover, Ed	USDA	Secure site for testing transgenic and conventional citrus for HLB and psyllid resistance
15-042	Wang, Nian	University of Florida	Control citrus Huanglongbing using endophytic microbes from survivor trees
15-045C	Zale, Janice	University of Florida	Continued Funding for the Mature Citrus Facility to Produce Disease Tolerant, Transgenic Citrus
15-048C	Minter, Tom	Florida Pesticide Research. Inc.	Field Trials of Bactericide Application Methods.
15-049C	Booker, Brad	Florida Ag Research	Evaluation of minimal-risk and biopesticide products as a protectant and therapy for HLB
15-050C	Behlau, Franklin	Fundecitrus	Effect of windbreaks, copper bactericides and citrus leaf miner control on temporal and spatial progress of citrus canker.
16-001	Li, Yi	University of Conneticut	Enhancing Genetic Transformation Efficiency of Mature Citrus.
16-005	Wang, Nian	University of Florida	GFP labeling of Candidatus Liberibacter asiaticus in vivo and its applications.
16-007	Duan, Yongping	USDA	Field evaluation of the selected variants of Ruby Red grapefruit volunteer seedlings for greater HLB resistance/tolerance.
16-009	Triplett, Eric	University of Florida	Developing second generation antimicrobial treatments for citrus greening disease.
16-010C	Dewdney, Megan	University of Florida	Enhancement of Postbloom fruit drop control measures.
16-011C	Adair, Robert C.	Florida Research Center for Agricultural Sustainability	Increasing the yield and decreasing the bearing age of citrus trees in new plantings by using metalized reflective mulch while determining ACP populations.
16-012C	Triplett, Eric	University of Florida	RSA - Antimicrobial assay for inhibition of Liberibacter crescens, the closest cultured relative of the citrus greening pathogen, Ca. L. asiaticus.
16-015C	Irey, Mike	US Sugar Corp/Southern Gardens	Enhanced Fruit Quality Assessment from Field Trials. RSA
16-016C	Eyrich, Tim	US Sugar Corp/Southern Gardens	Use of RNAi delivered by the Citrus Tristeza Virus Ciral Vector to control the Asian Citrus Psyllid
16-017C	Tetard, Laurene	University of Central Florida	Quantitative Detection and Mapping of Bactericides in Citrus.
16-019C	Pelz-Stelinski, Kirsten	University of Florida	RSA - Small plant assay for testing the efficacy of antimicrobial materials against HLB.
16-020C	Vincent, Christopher	University of Florida	Dyed kaolin to repel Asian citrus psyllid in field conditions.
16-022C	Richardson, Taw	AgroSource, Inc.	Large Scale Lab/Greenhouse/Field Trial Evaluation - HLB.
16-023C	Etxeberria, Ed	University of Florida	Determining the Efficacy of a New Class of Adjuvants in Increasing Penetration of Antimicrobials into Citrus Leaves.
16-024C	Ables, Camilla	National Academies of Sciences	A Review of the Citrus Greening Research and Development Efforts Supported by the Citrus Research and Development Foundation.
16-025.1C	Drouillard, Greg	Ablate BioTech LLC	Comparison of chemical uptake with laser ablation and conventional foliar application – Phase One.
16-025.2C	Booker, Brad	Florida Ag Research	Comparison of chemical uptake with laser ablation and conventional foliar application - Phase 1 Crop Consultant.
16-025.3C	Wang, Nian	University of Florida	Quantification of oxytetracycline in plant samples.

16-026C	Meissner	Bayer Crop Science	Establishment and application of tools to allow a systematic approach to identify and characterize hits with confirmed in planta HLB activity.
16-027C	Futch, Stephen	University of Florida	Determine impact of Reglone application on killing abandoned citrus trees in mature groves - A demonstration.
17-001C	Stelinski, Lukasz	University of Florida	Insecticide resistance management in Florida citrus production.
17-005C	Vincent, Christopher	University of Florida	Effects of heat treatments on antimicrobial uptake and translocation in citrus trees.
17-006C	Triplett, Eric	University of Florida	Monitoring of citrus groves for non-target antibiotic resistance prior to and after application of streptomycin and oxytetracycline.
726L	Gonzalez, Carlos	Texas AgriLife Research	A Bacterial Virus Based Method for Biocontrol of Liberibacter
928.1C	Sutherland, Dudley	Glades Crop Care, Inc	Field Trial of Naturally Occuring Microbes
928.2C	Booker, Brad	Florida Ag Research	Field Trials of Soil Microbials to combat HLB - Ridge Site crop Consultant
928.3C	Yonce, Henry	KAC Agricultural Research, Inc.	Field Trials of Soil Microbials to combat HLB - Southwest FL Site crop Consultant
928.4C	Wang, Nian	University of Florida	Field Trials of Naturally occuring microbes to combat HLB
934C	Curtis, John	Better Crops, LLC	Soil Drenches of products to combat initial HLB infection in young citrus trees
940C	Beeson, Richard C.	University of Florida	Propagation of Rootstock Tree Production in Greenhouses by Seed, Stem Cuttings and Tissue Culture to Accelerate Budded Tree Production for Outplanting
941C	Pelz-Stelinski, Kirsten	University of Florida	Influence of Thermal Therapy on Transmission of Candidatus Liberibacter asiaticus
943C	Rogers, Michael	University of Florida	Support for scale-up of Thermal Therapy Treatment: Evaluation before and after thermotherapy heat treatments to combat HLB
944C	Pelz-Stelinski, Kirsten	University of Florida	RSA - Small plant assay for testing the efficacy of antimicrobial materials against HLB
946C	Nufarm	Nufarm Americas, Inc.	Mycoshield Magnitude of Residue Study for Citrus Crop Group.