	2016-17 CRDF Funded Research and Delivery Projects					
Project No.	Principal Investigator	Affiliation	Project Title			
			Functional disruption of the NodT outer membrane protein of Candidatus			
424	McNellis, Timothy	Pennsylvania State University	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 A Bacterial Virus Based Method for Biocontrol of Citrus Canker			
726	Gonzalez, Carlos	Texas AgriLife Research	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			
838	Janua, Swauesiiiiukui	offiversity of Certifian Florida	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			
			Establishing citrus nutrition trials for young & mature trees in the Indian River			
903	Boman, Brian	University of Florida	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			
916	Wang, Nian	University of Florida	the HLB threat Screening and application of antibacterial producing microbes to control citrus			
921	Schneider, William L.	USDA	Huanglongbing 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			
	<i>"</i> 0	·	citrus black spot			
15-008 15-009	Etxeberria, Ed Gabriel, Dean	University of Florida University of Florida	Determination of CLas signal in HLB-affected citrus trees 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			

				Predicting When, Why, and Where Asian citrus psyllids move to increase
15-026 Stover, Ed USDA Implementing Transgenic Tools to Produce Commercial Science (Library Triplett, Eric University of Florida Developing a culture medium for University of Florida Conditional Support for the Southern Gardens Diagnostic Laboratory Support for Plorida Continuage Support for the Southern Gardens Diagnostic Laboratory Support for Plorida Continuage Support for the Southern Gardens Diagnostic Laboratory Support for Plorida Continuage Support for the Southern Gardens Diagnostic Laboratory Support for Plorida Continuage Support for the Southern Gardens Diagnostic Laboratory Support for Plorida Continuage Support for the Southern Gardens Diagnostic Laboratory Support for Plorida Continuage Support for the Southern Gardens Diagnostic Laboratory Support for Plorida Continuage Support for the Southern Gardens Diagnostic Plorida Continuage Support for Plorida Continuage Support for Plorida Continuage Support Suppo	15-024	Stelinski, Lukasz	University of Florida	
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15-026 Wang, Nian University of Florida Control citrus Huanglongbing (HLB) by counteracting the SA hydroxylase of Candidatus Liberbacter adatious. 15-030C Rogers, Michael University of Florida Continuing Field Trial Support for the Southern Eardern Surposition of University of Florida Continuing Field Trial Support for the Southern Eardern Surposition of Citrus Care Transformation Facility remains crucial for resistant to diseases. 15-030C Satura, Negar University of Florida Continuing Support or the Southern Eardern Bugnositic Laboratory visional or resistant to diseases. 15-030C Rogers, Michael University of Florida Continuing Support of Citrus Huanglongbing (Florida Continuing Support of Citrus Huanglongbing Libration of Citrus Huanglongbing University of Florida Continuing Support of Citrus Health Management Areas (CHMA's) 15-030C Santra, Swadeshmukul University of Florida Universi	15-026	Stover, Ed	USDA	
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15-032C Proy, Mike US Sugar Corp/Southern Gardens Support for the Southern Gardens Diagnostic Laboratory 15-033C Orbovic, Vladimir University of Florida Support for 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 Huanglonghing in citrus and positive to all rine angement decisions. 15-035C Rogers, Michael University of Florida Continuing support of Citrus Health Management Areas (CHMAYS). 15-036C Santra, Swadeshmukul University of Florida University of Florida Continuing support of Citrus Health Management Areas (CHMAYS). 15-037C Santra, Swadeshmukul University of Florida Control Citrus Hanglonghing using endophytic microbes from survivor trees. 15-049C Wang, Nian University of Florida Control Citrus Huanglonghing using endophytic microbes from survivor trees. 15-049C Minter, Tom Florida Pesticide Research, Inc. Field Trials of Bactericide Application Methods. 15-049C Booker, Brad Individual Search Citrus Seality of Florida University of Florida Univer	15-028	Wang, Nian	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.	15-030C	Rogers, Michael	University of Florida	Continuing Field Trial Support for CRDF CPDC
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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 Insecticide resistance monitoring and management in Florida citrus to maintain sustainable control of Asian citrus (within Citrus Health Management Areas.) Stever, Ed	15-034C	Batuman, Ozgur	University of Florida	
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Insecticide resistance monitoring and management in Florida citrus to maintain sustainable control of Asian citrus psyllid within Citrus Health Management Areas. Secure site for testing transgenic and conventional citrus for HLB and psyllid resistance.	15-036C	Rogers, Michael	University of Florida	
Stelinski, Lukasz University of Florida maintain sustainable control of Asian citrus psyllid within Citrus Health Management Areas.	15-037C	Santra, Swadeshmukul	University of Central Florida	T-SOL™ antimicrobial for the management of citrus canker and HLB
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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/folerance. 16-008 Triplett, Eric University of Florida Developing second generation antimicrobial treatments for citrus greening disease. 16-010 Dewdney, Megan University of Florida Enhancement of Postbloom fruit drop control measures. 16-011C Adair, Robert C. Florida Research Center for Agricultural Sustainability Populations. 16-012C Triplett, Eric University of Florida RS- 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 Lose Funds of the citrus greening pathogen, Ca. L. asiaticus. 16-016C Eyrich, Tim US Sugar Corp/Southern Gardens Lose Funds of the citrus Fistea Virus Ciral Vector to control the Asian Citrus Psyllid Asian Citrus Psyllid Content of Postbloom from Field Trials. RSA 16-016C Pelz-Stelinski, Kirsten University of Florida Quantitative Detection and Mapping of Bactericides in Citrus. 16-017C Tetard, Laurene University of Florida Quantitative Detection and Mapping of Bactericides in Citrus. 16-019C Vincent, Christopher University of Florida Dyed kaolin to repel Asian citrus psyllid in field conditions. 16-020C Richardson, Taw AgroSource, Inc. Large Scale Lab/Greenhouse/Field Trial Evaluation - HLB. 16-021C 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 Chemical uptake with laser ablation and conventional foliar application - Phase One.	15-049C	Booker, Brad	Florida Ag Research	
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Be-007 Duan, Yongping USDA Seedlings for greater HLB resistance/tolerance.	16-005	Wang, Nian	University of Florida	GFP labeling of Candidatus Liberibacter asiaticus in vivo and its applications.
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Dewdney, Megan	16-009	Triplett, Eric	University of Florida	Developing second generation antimicrobial treatments for citrus greening
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.	16-010C	Dewdney, Megan	University of Florida	
Irriplett, Eric	16-011C		Florida Research Center for	Increasing the yield and decreasing the bearing age of citrus trees in new plantings by using metalized reflective mulch while determining ACP
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16-025.2C Booker, Brad Florida Ag Research Comparison of chemical uptake with laser ablation and conventional foliar application - Phase 1 Crop Consultant.	16-025.1C	Drouillard, Greg	Ablate BioTech LLC	· ·
	16-025.2C	Booker, Brad	Florida Ag Research	Comparison of chemical uptake with laser ablation and conventional foliar
	16-025.3C	Wang, Nian	University of Florida	

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 Regione 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.