CURRENT CRDF-FUNDED RESEARCH AND DELIVERY PROJECTS					
Project No.	Principal Investigator	Affiliation	Project Title		
502	Hall	USDA-ARS	High-Throughput Screening of Transgenic Citrus for HLB Resistance		
503	England	MFCF	The support of Citrus Research and Extension efforts by maintaining and improving the Mid Florida Citrus Foundation grove		
516	Dawson	UF	Develop citrus resistant or tolerant to HLB using the CTV vector and transgenic approaches		
531	Falk	Univ. of California	Transgenic RNAi-based psyllid control		
533	Folimonova	UF	Deployment of a superinfecting Citrus tristeza virus-based vector in the field: a measure to effectively protect field citrus trees against HLB		
539	Gmitter	UF	Creation, Development, and Screening of Citrus Germplasm for Resistance to HLB and Citrus Canker (Core Breeding)		
544	Graham	UF	Improved management of citrus canker through use of systemic acquired resistance and more bioavailable copper bactericides		
547	Grosser	UF	Applying Advances of Juvenile Citrus Transformation Technology		
548	Grosser	UF	Understanding and Manipulating the Interaction of Complex Rootstock Genetics and Constant Nutrition to Enhance the Establishment, Longevity and Profitability of New Citrus Plantings in HLB- Endemic Areas		
582	Pelz-Stelinski	UF	Factors influencing transmission of the huanglongbing (greening) pathogen by the Asian citrus psyllid and methods for interrupting the transmission process		
606	Stover	USDA-ARS	Production of Transgenic Commercial Scion Cultivars Resistant to HLB and Canker: Continued AMP Approaches and Novel Transgenic Strategies		
607	Stover	USDA-ARS	A secure site for testing transgenic and conventional citrus for HLB and psyllid resistance		
615	Gmitter	UF	Evaluation of Rootstocks Appropriate for Higher Density Groves and Advanced Citrus Production Systems Leading to a Sustainable, Profitable Florida Citrus Industry		
618 C	Dawson	UF	RNAi InnoCentive Project Extension (Phase II): In planta Characterization of dsRNA Effect on all Psyllid Life Stages and Selection of Target(s) to Advance to Commercialization		
711	Bonning	Iowa State Univ.	Identification of Bacillus thuringiensis endo-toxins active against Adult Asian Citrus Psyllid		
715	Dewdney	UF	The leaf litter cycle of citrus black spot and improvements to current management practices		
716	Dewdney	UF	Improved fungicide control measures for pre- and post-harvest management of citrus black spot		
717	Duan	USDA-ARS	Control citrus HLB by blocking the functions of two critical effectors encoded by 'Candidatus Liberibacter asiaticus'		
723	Gabriel	UF	Exploiting the Las phage for potential control of HLB: year 2		
724	Gmitter	UF	Accelerating Citrus Gene Discovery for HLB Tolerance/Resistance		
726	Gonzalez	Texas AgriLife Research	A Bacterial Virus Based Method for Biocontrol of Citrus Canker		
726Am1	Gonzalez	Texas AgriLife Research	A Bacterial Virus Based Method for Biocontrol of HLB		
730	Graham	UF	Monitoring streptomycin resistance in Xanthomonas citri in support of FireWall registration for canker		
731	Graham	UF	Calcium carbonate may reduce root health and exacerbate HLB expression		
732	Graham	UF	Understanding and reducing early root loss in HLB affected trees		
736	Gruber	UF	Expedited Indian River Evaluation of Tetrazyg Rootstocks Surviving the HLB-Gauntlet		
749	Li	Univ. of Connecticut	Development of Technologies Important for Creation and Commercialization of Transgenic HLB Resistant Citrus		
750	Ma	UC Riverside	Identification of key components in HLB using effectors as probes		
752	Moore	UF	Cell Penetrating Peptides for Citrus Genetic Improvement and Disease Resistance		
754	Mou	UF	Application of a natural inducer of systemic acquired resistance and engineering non-host resistance in citrus for controlling citrus canker		

Project No. Investigator Affiniation Project Title	CURRENT CRDF-FUNDED RESEARCH AND DELIVERY PROJECTS					
Stelinski	Project No.	Principal Investigator	Affiliation	Project Title		
Volung plantings and pathogen transmission. Triplett UF Napid Identification of antibiotics useful in the control of citrus greening disease Triplett UF A team approach to culturing Ca. Libenhasters asiaticus Triplett UF A team approach to culturing Ca. Libenhasters asiaticus Triplett UF A team approach to culturing Ca. Libenhasters asiaticus Triplett UF A team approach to culturing Ca. Libenhasters asiaticus Triplett UF A team approach to culturing Ca. Libenhasters asiaticus Triplett UF A team approach to culturing Ca. Libenhasters asiaticus Triplett UF A team approach to culturing Ca. Libenhasters asiaticus Triplett UF A team approach to culturing Ca. Libenhasters asiaticus Triplett UF UF Cattra Parket UF A team approach to culturing Ca. Libenhasters asiaticus Triplett UF UF Cattra prehameter in a model system Long Stanford U Functional genomics of Libenhaster in a model system Long Stanford U Functional genomics of Libenhaster in a model system Long Cattra prehameter of the triplett and the HLB disease-Nature and control Triplett UF UF Cattra prehameter of the HLB disease-Nature and control Long Cattra prehameter of the Control of Citrus Visual Parket UF Cattra prehameter in the Fields and Understanding the Molecular Mechanism Behind Us Success of Themotherapy for the Control of Citrus HLB Effect of selected concentrations of calcium bicarbonate on expression of HLB in the greenhous and grows Albrigo UF Scheduling ACP spring spray selection based on the Citrus Flowering Model Lopinite USDA-ARS Why is Poncinus trifoliata resistant to colonization by Asian citrus payllid? Sasa Santra UCF New non-phylotoxic composite polymer film barrier as ACP repellent for controlling HLB infection of Cattra Parket Pa	759	Santra	UCF	Fixed-Quat: A novel alternative to Cu fungicide/bactericide for preventing citrus canker		
Triplett UF A team approach to culturing Ca. Liberibacter asiaticus 773 Wang UF Control HLB by developing antimicrobial compounds against Candidatus Liberibacter asiaticus 776 Albrigo UF Frequent Low Rate Application of 2-4,D and Cytokinin to study plant symptom reduction in HLB affected trees 878 Wang RSA UF Evaluation of 504-Based Antimicrobials as Control Agents against HLB 879 Characterization and manipulation of the prophages/phages of 'Candidatus Liberibacter asiaticus for the control of circus huanglongbing 870 Long Stanford U Functional genomics of Liberibacter in a model system 870 Albrigo UF Citrus preharvest drop related to HLB disease-Nature and control 871 Eckeberria UF Supplement 872 Supplement 873 Morgan UF Identification of potential pathways for the spread of HLB through citrus vascular systems: Supplement 874 Duan 875 USDA-ARS UPF Supplement 876 Albrigo UF Scheduling ACP spring spray selection based on the Citrus Flowering Model 877 Morgan 878 Santra UCF New non-phytotoxic composite polymer film barrier as ACP repellent for controlling HLB infection of your spray film barrier as ACP repellent for controlling HLB infection of your spray film barrier as ACP repellent for controlling HLB infection of your spray film barrier as ACP repellent for controlling HLB infection of your spray film barrier as ACP repellent for controlling HLB infection of your spray film barrier as ACP repellent for controlling HLB infection of your spray film barrier as ACP repellent for controlling HLB infection of your spray film barrier as ACP repellent for controlling HLB infection of your spray film barrier as ACP repellent for controlling HLB infection of your spray film barrier as ACP repellent for controlling HLB infection of your spray film barrier as ACP repellent for controlling HLB infection of your spray film barrier as ACP repellent for controlling HLB infection of your spray film barrier as ACP repellent for controlling HLB infection of your spray film barrier as ACP repellent for controlling	766	Stelinski	UF	Biotic and abiotic factors that cause Asian citrus psyllids to accept hosts: potential implications for young plantings and pathogen transmission.		
Variable	767	Triplett	UF	Rapid identification of antibiotics useful in the control of citrus greening disease		
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922 Wang UF Control citrus canker by manipulating the EBE (effector binding element) of CsLOB1 which is the citrus susceptibility gene for citrus canker disease 925 Dutt UF Diaprepes control using a plant based insecticidal transgene approach 926.1C Lapointe USDA-ARS Large-scale mating disruption of citrus leafminer validation and product launch 926.2C Stelinski UF Large-scale mating disruption of citrus leafminer validation and product launch 926.3 C Urrutia ISCA Large-scale mating disruption of citrus leafminer validation and product launch	919	Dewdney	UF	A method to monitor for Guignardia citricarpa (Gc) ascospores in Florida groves		
925 Dutt UF Diaprepes control using a plant based insecticidal transgene approach 926.1C Lapointe USDA-ARS Large-scale mating disruption of citrus leafminer validation and product launch 926.2C Stelinski UF Large-scale mating disruption of citrus leafminer validation and product launch 926.3 C Urrutia ISCA Large-scale mating disruption of citrus leafminer validation and product launch	921	Schneider	USDA-ARS	Determining the role of a novel virus in Citrus blight		
925 Dutt UF Diaprepes control using a plant based insecticidal transgene approach 926.1C Lapointe USDA-ARS Large-scale mating disruption of citrus leafminer validation and product launch 926.2C Stelinski UF Large-scale mating disruption of citrus leafminer validation and product launch 926.3 C Urrutia ISCA Large-scale mating disruption of citrus leafminer validation and product launch	922	Wang	UF	Control citrus canker by manipulating the EBE (effector binding element) of CsLOB1 which is the citrus susceptibility gene for citrus canker disease		
926.2C Stelinski UF Large-scale mating disruption of citrus leafminer validation and product launch 926.3 C Urrutia ISCA Large-scale mating disruption of citrus leafminer validation and product launch	925	Dutt	UF			
926.3 C Urrutia ISCA Large-scale mating disruption of citrus leafminer validation and product launch	926.1C	Lapointe	USDA-ARS	Large-scale mating disruption of citrus leafminer validation and product launch		
	926.2C	Stelinski	UF	Large-scale mating disruption of citrus leafminer validation and product launch		
928.1.C. Sutherland Glades Cron Care Field Trials of Soil Microbials to Combat HLR - Indian Piver Cron Consultant	926.3 C	Urrutia	ISCA	Large-scale mating disruption of citrus leafminer validation and product launch		
Glades Crop Care Fried Thats of 30th Microbials to Combat file Find an Aire Crop Consultant	928.1 C	Sutherland	Glades Crop Care	Field Trials of Soil Microbials to Combat HLB - Indian River Crop Consultant		

Project No.	Principal Investigator	Affiliation	DF-FUNDED RESEARCH AND DELIVERY PROJECTS Project Title
928.2 C	Booker	FL Ag Research	Field Trials of Soil Microbials to Combat HLB - Ridge Site Crop Consultant
928.3 C	Yonce	KAC Agricultural Research	Field Trials of Soil Microbials to Combat HLB - SouthWest Florida Crop Consultant
928.4 C	Wang	UF	Field Trials of Naturally Occurring Soil Microbials to Combat HLB
929.2 C	Rucks	Rucks Nursery	Field Trial of HLB Tolerant Rootstocks
931 C	Gonzalez	UF	In vitro testing of chemicals on tree leaves collected from HLB-infected trees to determine their efficacy against HLB
932.1 C	Keesling	UF	Mathematical Modeling to Evaluate Psyllid Shield Concept'
934 C	John Curtis	Better Crops, LLC	Soil drenches of products to combat initial HLB infection in young citrus trees
934.1 C	Wang	UF	Soil drenches of products to combat initial HLB infection in young citrus trees
936 C	Richardson	AgroSource	Firewall Section 18 Grapefruit for control of Canker (and HLB) Field Use Evaluation
937 C	Richardson	AgroSource	FireWall™ Studies to Support a Section 18 for Citrus Canker Control on Round Oranges
938 C	Richardson	AgroSource	Large Scale Laboratory/Greenhouse/Field Trial Evaluation of Citrus HLB Bactericidal Therapies
940 C	Beeson	UF	Propagation of Rootstock Tree Production in Greenhouses by Seed, Stem Cuttings and Tissue Culture to Accelerate Budded Tree Production for Outplanting
941C	Pelz-Stelinski	UF	Influence of Thermal Therapy on Transmission of CLas
943C	Rogers	UF	Support for scale-up of Thermal Therapy Treatment: Evaluation before and after thermotherapy heat treatments to combat HLB
944C	Pelz-Stelinski	UF	Whole Plant antimicrobial evaluation assays (50) to test the efficacy of antimicrobial materials at various rates against CLas, mobility of the material in the plant particularly in the phloem, and phytotoxicity
945C	Gonzalez-Lorca	UF	RSA - Rapid Evaluation method to evaluate drug's effectiveness directly from tree samples
946C	Bewlay	NuFarm Americas Inc.	Mycoshield Magnitude of Residue Study for Citrus Crop Group
15-046C	Curtis	Better Crop Care	Evaluation of GRAS/biopesticide products as a protectant and therapy for HLB on Valencia
15-028	Wang	UF	Control citrus Huanglongbing (HLB) by counteracting the SA hydroxylase of Candidatus Liberibacter asiaticus
15-010	Gmitter	UF	Development and Commercialization of Improved New Disease Resistant Scions and Rootstocks - the Key For a Sustainable and Profitable Florida Citrus Industry
15-025	Stover	USDA-ARS	HLB Resistance and Tolerance in Citrus Scion Breeding
15-009	Gabriel	UF	Exploiting the Las phage for potential control of HLB: year 3
15-005	Dewdney	UF	Asexual inoculum production of Guignardia citricarpa, the causal agent of citrus black spot
15-026	Stover	USDA-ARS	Implementing Transgenic Tools to Produce Commercial Scion Cultivars Resistant to HLB and Canker
15-027	Triplett	UF	Developing a culture medium for Liberibacter asiaticus through comparative multi 'omics analysis with its closest cultured relative, L. crescens
15-008	Etxeberria	UF	Determination of CLas signal in HLB-affected citrus trees
15-002	Bowman	USDA-ARS	Development of Supersour and Other Promising Rootstocks for Florida
15-024	Stelinski	UF	Predicting When, Why, and Where Asian citrus psyllids move to increase effectiveness of insecticide sprays.
15-022	Reuber	Two Blades Fdn.	Engineering citrus for canker resistance
15-023	Schumann	UF	Citrus nutrition studies for improved survival of HLB-affected trees

Project No.	Principal Investigator	Affiliation	Project Title
15-013	Grosser	UF	Understanding and Manipulating the Interaction of Rootstocks and Constant Nutrition to Enhance the Establishment, Longevity and Profitability of Citrus Plantings in HLB-Endemic Areas.
15-003	Bowman	USDA-ARS	Metabolomic profiling to accelerate development of HLB tolerant rootstocks
15-020	Mou	UF	Create citrus varieties resistant to Huanglongbing (HLB) through transgenic and nontransgenic approaches
15-021	Pelz-Stelinski	UF	Regulation of Las transmission and microbial colonization by the Asian citrus psyllid immune system
15-017	Killiny	UF	Disrupt LuxR solo quorum sensing that mediates plant virulence and insect transmission of Candidatus Liberibacter asiaticus to control the disease
15-042	Wang	UF	Control citrus Huanglongbing using endophytic microbes from survivor trees
938C	Richardson	AgroSource, Inc.	Large Scale Laboratory/Greenhouse/Field Trial Evaluation of Citrus HLB Bactericidal Therapies
937C	Richardson	AgroSource, Inc.	FireWall™ and FireLine Studies to Support Section 18 for Citrus Canker Control in Round Oranges
936C	Richardson	AgroSource, Inc.	FireWall™ Section 18 Grapefruit Field Use Evaluation
15-035C	Rogers	UF	Continuing support of Citrus Health Management Areas (CHMAs)
15-036C	Rogers	UF	Correlating pesticide residue analysis with psyllid feeding to improve protection of young trees
15-038C	Stelinski	UF	Insecticide resistance monitoring and management in Florida citrus to maintain sustainable control of Asian citrus psyllid within Citrus Health Management Areas (CHMAs)
15-030C	Rogers	UF	Continuing Field Trial Support for CRDF CPDC
15-032C	Irey	US Sugar Corp.	Continued Support for the Southern Gardens Diagnostic Laboratory
15-034C	Roberts	UF	Continuation of diagnostic service for growers for detection of Huanglongbing in citrus and psyllids to aid in management decisions
15-040C	Triplett	UF	Rapid turn-around evaluation of up to 1200 promising antimicrobial compounds (or combinations), using the L.crescens assay,
15-043C	Wang	UF	Rapid turn-around evaluation of up to 25 antimicrobial compounds for efficacy in reducing titers of the bacterium Candidatus Liberibacter on diseased 6-year old trees Hamlin on Swingle.
15-037C	Santra	UCF	T-SOL™ antimicrobial for the management of citrus canker and HLB
15-031C	Etxeberria	UF	Development of a laser-based system to deliver antimicrobials to citrus trees: Greenhouse testing
15-016	Hall	USDA-ARS	High-Throughput Inoculation of Transgenic Citrus for HLB Resistance
15-039C	Stover	USDA-ARS	Secure site for testing transgenic and conventional citrus for HLB and psyllid resistance
15-033C	Orbovic	UF	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.
15-045C	Zale	UF	Continued Funding for the Mature Citrus Facility to Produce Disease Tolerant, Transgenic Citrus