NAREEEAC Citrus Disease Subcommittee

• Subcommittee met in Riverside California Feb 17-18
• Research Report on 7 projects funded through HLB SCRI, phase I
• Report from NIFA on Phase II funding awards recently announced
• Presentation/Discussion of other funding programs
  • USDA, MAC, CRDF, CRB
• Discussion of priorities for NIFA program, Phase III
• Discussion of stakeholder review process and need for additional stakeholders to participate
USDA NIFA SCRI Approved Projects 2014

• Title: Determining the Roles of Candidate Genes in Citrus-HLB Interactions and Creating HLB resistant Citrus Cultivars - Gmitter
• Title: Non-transgenic, near term RNA interference-based application strategies for managing Diaphorina citrii and citrus greening Huanglongbing - Falk
• Title: Developing an Infrastructure and Product Test Pipeline to Deliver Novel Therapies for Citrus Greening Disease - Brown
• Title: A novel antimicrobial approach to combat Huanglongbing disease - Lorca
USDA, NIFA SCRI Approved Projects 2014

• Title: Characterization of Liberibacter populations and development of field detection system for citrus huanglongbing - Ramadugu

• Title: Zinkicide A Nanotherapeutic for HLB - Johnson

• Title: Steam-generated Supplementary Heat Thermotherapy as an Immediate Treatment for Prolonging Productivity of HLB-infected Citrus Trees - Ehsani
Title: Effectoromics of Huanglongbing (HLB)-Associated Pathogen
PD: Wenbo Ma
Institution: University of California, Riverside

Title: Harnessing Natural Variation in the Ability of the Asian Citrus Psyllid to Transmit Liberibacter For Development of HLB Control Strategies
PD: Cilia, Michelle, L
Institution: USDA ARS

Title: NIFA Center Of Excellence: Multifunctional Surface/Sub-Surface/Systemic Therapeutic (CoE: Ms3t) Technology for HLB Management
PD: Santra, Swadeshmukul
Institution: University of Central Florida
Title: Design and delivery of therapeutic proteins for HLB protection  
PD: Gupta, Goutam  
Institution: New Mexico Consortium

Title: Microbial Inhibition for Management of Citrus Greening Disease  
PD: Pelz-Stelinski, Kirsten S.  
Institution: University of Florida

Title: Development Of In Vitro Biofilm and Planktonic Culture of Ca. Liberibacter asiaticus: A Game Change In HLB Research  
PD: David R. Gang  
Institution: Washington State University

Title: Development of Tools for Evaluating and Communicating Short Term Solutions for HLB.  
PD: Gabriel, Dean W.  
Institution: University of Florida, Gainesville, FL
Year #3 Priorities (in order of importance)

• Therapies to keep infected trees alive (Florida)
• Development of GMO or non-GMO germplasm and rootstocks
• Culturing of Clas bacteria (Still do not know how to grow the bacteria in order to kill it)
• Early detection of greening infection (in California)
• Instructions will be given to any potential researcher to submit additional ideas for research that could be judged to be beneficial for consideration.