

## **Research Needs Identified for Citrus Greening at CG Briefing Session**

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### **Short term Research Goals**

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- Identify host plants of Florida citrus greening
- Develop PCR detection protocol for citrus greening without the need of DNA extraction
- Develop survey and detection strategies for citrus greening
- Conduct biological indexing of citrus greening
- Determine if Florida citrus greening pathogen is culturable
- Determine the time-line for psyllid acquisition and inoculation to detectable citrus greening symptoms

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### **Long-term Research Goals**

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- Determine complete genomic sequence of citrus greening
- Determine if seed transmission occurs with Florida's citrus greening
- Conduct foreign exploration for additional biological control agents for psyllids
- Determine feasibility of using insecticide-treated *Murraya paniculata* as a toxic trap plant
- Determine if semiochemicals and pheromones are involved in the psyllid/host plant/pathogen interaction relationship
- Determine the role and extent of psyllid migration in vector and disease movement
- Determine if there is ovarial transmission of citrus greening in psyllids
- Determine normal (short-range) and maximum flight distances of the psyllid