CITRUS ADVANCED TECHNOLOGY PROGRAM

QUARTERLY & FINAL REPORTS: Control of Citrus Greening, Canker & Emerging Diseases of Citrus

▶ INSTRUCTIONS

(●) *Quarterly Report* ( ) *Annual Report* ( ) *Final*

Required: What is the "headline" for this report (e.g. a one-sentence "newspaper headline" describing what you accomplished)

Training of manager complete and Growth room updated

Proposal Title

Development of transformation systems for mature tissue of Florida commercial varieties and strategies to improve tree management

Today's Date	Sponsoring Organization (drop-down)	Category (drop down)
8/31/10	Citrus Research and Development Foundation	Transgenic/Metagenomic Mediation of Resistance

REPORT UPDATE (500 words; summarize your accomplishments)

1- The first objective of the second year was to build a plant growth room at the Citrus Research and Education Center in Florida (CREC). The physical construction/renovation of the growth room has not been started so far. The construction is expected to start at the end of September. The rootstocks that are currently growing in the lab are big and we will need to start growing a new batch until the growth room is ready. They cannot be transferred to another greenhouse because it will defeat the purpose of growing under controlled conditions.

2- Training of the manager Dr. Zapata has been completed at the IVIA under the supervision of Dr. Pena.

3- Initial material to establish the mother plants are being produced at the Department of Agriculture with Dr. Peggy Sieburth. She will start releasing the in vitro plants in September. Ideally these plants should be used immediately for grafting on the rootstocks; plants will be kept in vitro until the growth room is ready. The plants cannot be kept for more than 4-5 months on in vitro conditions.

4- A search for a full growth room technician started. The final hiring process will be completed once the growth room construction starts. We expect this technician to go for 2 weeks of training in Spain.

At this moment, construction/renovation of the growth room is a major bottleneck for the progress of the project. Clean materials for the most important scion varieties of Florida have been obtained with the help of Dr. Peggy Siebuth through shoot-tip grafting. Clean rootstocks (stored at the lab at this moment-the only clean area we count with) are already 6-month-old and will be ready to be grafted with the clean scions for next October. However, we do not know yet when the growth room will be finalized. Only after this facility is fully operative, we will be able to perform the grafts with the clean materials. If the construction of the growth room is delayed further (more than 3 months), we have the risk of losing both the scions and the rootstocks, and consequently lose months of work (that could not be repeated until next year due to Dr. Sieburth's agenda) and a lot of money. These delays (no growth room after 1.5 years of project) are making impossible to fulfil our objective for the end of this 3-year project. This situation is out of my understanding- Leandro Peña

PI First Name Cecilia

PI Last Name Zapata

Email ceciliaz@ufl.edu

Phone 863-956-1151 ext 1341

Organization UFL-CREC

Contract Number 158.1

Project Duration (years) 3 *Year of Project* 2

Total Funds (current year) $639,529.00

SUBMIT REPORT

CITRUS RESEARCH AND DEVELOPMENT FOUNDATION, INC.