

CITRUS RESEARCH AND DEVELOPMENT FOUNDATION, INC.
Commercial Product Delivery Committee
Meeting Minutes
July 18, 2016

A meeting of the Commercial Product Delivery Committee of the Citrus Research and Development Foundation, Inc. was held on Monday, July 18, 2016. The meeting was properly noticed and recorded. The meeting was called to order at 9:30 am by Chairman Ben McLean. Roll was called and a quorum was present. Committee members participating were: Mr. Larry Black; Dr. Jackie Burns; Ms. Holly Chamberlain (telephone); Mr. David Howard (telephone); Mr. Peter McClure; Mr. Ben McLean; Mr. Jerry Newlin (telephone); Mr. Andy Rackley (telephone); Dr. Brian Scully; Ms. Shannon Shepp; and Mr. Tom Stopyra. Dr. Timothy Anglea, Mr. Joe L. Davis, Jr., Mr. Ricke Kress; and Mr. Hugh W. Thompson did not participate. Other participants were: Dr. Harold Browning; Dr. Jim Dukowitz (telephone); Dr. Ed Etxeberria; Dr. Catherine Hatcher; Dr. Michael Rogers; Dr. Stephanie Slinski; Dr. James Syvertsen; and Dr. Tom Turpen (telephone).

Others attending the meeting included Ms. Sharon Garrett (telephone); Ms. Brandi Goller; Ms. Audrey Nowicki; Mr. Brandon Page; Mr. Wayne Simmons (telephone); and Dr. Rosa Walsh.

Mr. McLean reported that Ms. Holly Chamberlain has been appointed to the Committee, and introduced Dr. Catherine Hatcher, HLB Tolerance/Resistance Project Manager recently hired.

Mr. Black moved to accept the minutes of the June 6, 2016 meeting. The motion was seconded by Mr. Tom Stopyra and, with no discussion, passed unanimously.

Chairman McLean invited Dr. Slinski to present active project updates.

Dr. Slinski outlined continuing the laboratory assays by Dr. Triplett to quickly identify antimicrobial agents that inhibit *L. crescens*, proposing a Research Service Agreement to test 250 compounds with a total budget of \$5,425.00. Mr. McClure made a motion to recommend Board support of the Triplett RSA for the *L. crescens* assay in the amount of \$5,425.00. The motion was seconded by Mr. Stopyra, and passed unanimously.

Dr. Slinski proposed continuation of Dr. Pelz-Stelinski's Whole Plant Assay for testing the efficacy of up to 36 potential antimicrobial bactericides against *CLas*, mobility of the material in the phloem, and phytotoxicity, under a Research Service Agreement with a total budget of \$109,036.35. Approximately 30% of the proposed testing on the original previous project was completed, and the question arose how the Foundation can help to ensure timely testing. Mr. McClure made a motion to recommend Board support of the Pelz-Stelinski whole plant assay RSA in the amount of \$109,036.35. The motion was seconded by Mr. Black.

Discussion of the Staff recommendation and motion to approve the RSA led to the need to expand the scope of the assay for higher throughput. Mr. Stopyra moved to amend the motion to include an investigation of how to expand the process. The amendment was seconded by Dr. Scully. The amendment to the motion passed unanimously, and then the amended motion for the RSA passed unanimously.

Dr. Slinski presented a summary of the results of Dr. Etxeberria's completed project 15-031C for the development and greenhouse testing of a laser-based system to deliver materials to citrus trees, and discussed the next steps for a proposed follow-on project to develop field performance parameters and perform more extensive field trials.

Mr. Stopyra made a motion to request a full proposal outlining potential next steps and field trials of the laser delivery system. The motion was seconded by Mr. McClure, and passed unanimously.

The next activity presented by Dr. Slinski was an ARS/CRDF Collaboration on Bactericide Detection Quantification. Mr. Newlin made a motion to direct Staff to obtain a proposal to provide collaborative support for detection of bactericides using ASI/ARS CRADA expertise. The motion was seconded by Mr. Stopyra, and passed with one abstaining vote by Dr. Scully.

Dr. Slinski introduced four projects proposed by AgroSource, Inc.:

- 1) The continuation of the AgroSource, Inc. project #938C, “Large Scale Lab/Greenhouse/Field Trial Evaluation – HLB” for Fireline[®] and Firewall[®] therapy for HLB into the third year with an estimated budget of \$980,000, proposing new use patterns in the third year. Mr. Black made a motion to recommend approval of the third year of the AgroSource project “Large Scale Lab/Greenhouse/Field Trial Evaluation of Fireline[®] and Firewall[®] Therapy for HLB in the amount of \$980,000. The motion was seconded by Mr. Newlin and, after discussion of how much information should be shared with the Foundation, passed unanimously.
- 2) A new two-year project proposed for resistance monitoring and other follow-through if requested by the EPA on the HLB Section 18 for Fireline[®] and Firewall[®] on HLB-infected citrus, at an estimated budget of \$180,000. Mr. Stopyra made a motion to solicit a full proposal from AgroSource, Inc. to provide support for the required resistance monitoring and analysis for the Section 18 request to use Fireline[®] and Firewall[®] on HLB-infected citrus. The motion was seconded by Mr. McClure, and passed unanimously.
- 3) A new project for a proposed one-year study of Grower Tank Mix Trials evaluating compatibility of bactericides in tank mixes, at an estimated budget of \$260,000. Mr. Newlin made a motion to request a full proposal from AgroSource, Inc. for the Grower Tank Mix Trials. The motion was seconded by Mr. Black, and after discussion of the registrant’s responsibility to provide this information as well as sharing results, passed unanimously.
- 4) A new project for residue studies for reduction of Pre-Harvest Interval of Fireline[®] in Citrus and analysis of bactericide residue in processed feed pellets, at an estimated budget of \$450,000. Mr. Black made a motion to request a full proposal for the residue studies for reduction of Pre-Harvest Interval of Fireline in citrus and analysis of Firewall[®] and Fireline[®] residue in processed feed pellets. The motion was seconded by Mr. McClure, and passed unanimously.

Dr. Slinski provided a brief update of the Section 18 status, noting the registrants have been providing the requested labeling information that has been requested by EPA.

Dr. Syvertsen presented a summary of the second year results of the Soil Microbial Field Trials on the Ridge, East Coast and Southwest Florida sites. Second year results confirmed that, while the appearance of the groves improved, other parameters such as HLB infection, yield, fruit quality and root mass did not show significant improvement, raising the need to continue the trials for a third year. Dr. Scully made a motion to discontinue the field trials, seconded by Mr. McClure. The vote to discontinue was 5-5 and the motion failed to pass.

Dr. Browning noted a meeting scheduled with USDA/APHIS Biotechnology Regulatory Services, Foundation representatives and scientists to review and discuss the application of biotechnology techniques to develop HLB solutions.

With no further business, the meeting was adjourned at 11:45 am.

Minutes submitted by Audrey Nowicki