

CITRUS RESEARCH AND DEVELOPMENT FOUNDATION, INC.
Commercial Product Delivery Committee
Meeting Minutes
May 27, 2014

A meeting of the Commercial Product Delivery Committee of the Citrus Research and Development Foundation, Inc. was held on Tuesday, May 27, 2014. The meeting was properly noticed and recorded. The meeting was called to order by Chairman Ben McLean at 9:00 am. Roll was called and a quorum was present. Committee members participating were: Dr. Tim Anglea; Mr. Joe L. Davis, Jr.; Dr. Mary L. Duryea (telephone); Mr. David Howard; Mr. Ricke Kress; Mr. Peter McClure (telephone); Mr. Ben McLean; Mr. Jerry Newlin; Mr. Andy Rackley; Ms. Shannon Shepp; Mr. Tom Stopyra and Mr. Hugh Thompson. Other participants in the meeting were Dr. Calvin Arnold; Mr. Bobby Barben; Mr. Larry Black; Dr. Harold Browning; Dr. Jackie Burns; Mr. Greg Carlton; Mr. Peter Chaires; Dr. Lisa Conti; Dr. James Dukowitz (telephone); Mr. Paul Genke; Mr. Tom Jerkins; Ms. Diane Johnson; Mr. Charlie Lucas; Mr. Andrew Meadows; Ms. Audrey Nowicki; Mr. Taw Richardson; Dr. Robert Shatters; Mr. Wayne Simmons; Mr. Mike Sparks; Mr. Michael Stewart; Dr. James Syvertsen and Dr. Tom Turpen (telephone).

Mr. Kress moved to accept the minutes of the May 16, 2014 meeting. The motion was seconded by Mr. Davis and passed unanimously.

Dr. Browning presented an overview of the four proposals submitted by AgroSource International. Once the overview was completed, each one was brought up for discussion and then voting.

1. The first proposal is to support the Section 18 renewal of Firewall® for grapefruit targeting citrus canker which is currently under review by the EPA. This is a one year proposal for \$75,000 to support monitoring of susceptibility of microbes to the product and preliminary evaluation of HLB impacts in grapefruit groves treated for canker with this product.
2. The second proposal is for expanding the Section 18 SLN label to include targeting canker on round oranges. This proposal details what data on efficacy and crop loss to be gathered this crop season for the proposed Section 18 on round oranges. Mr. Richardson is requesting \$150,000 per year for two years to compile the economic and related data required to apply for registration.
3. The third proposal is to develop information on the efficacy of Firewall® and Fireline® which contain Streptomycin and Oxytetracycline. These are AgroSource products that are available for use in other agricultural markets. There are preliminary data for how these products work in an assay and this proposal would rapidly move testing to larger scale field trials to allow an understanding of what impact they would have on HLB. This project has a first year budget of \$904,585.
4. The fourth proposal is to begin the regulatory packet that would include GLP developed residue, ecotox, soil profiling, resistance monitoring, etc. This is a three year project with the first year budget of \$827,600. The presumption is that it will take more than one year to get the full packet of information for registration in conjunction with the former project which will focus on efficacy.

The latter two proposals would provide the information that would allow AgroSource to move toward regulatory approval for use of these products on HLB. Dr. Browning explained CRDF is committed to find the funding for these proposals because of the importance of these therapies.

CRDF has provided a draft agreement to AgroSource with proposed language. AgroSource is reviewing that agreement and has not responded as of yet. This developmental project involves a Cooperative Research and Development Agreement (CRADA) between AgroSource and USDA, ARS. In the proposed contract language, a representative of CRDF would meet with the CRADA team quarterly to participate directly in the projects.

These will be a one year contract with option to renew and the primary contract with AgroSource would name USDA, ARS as a subcontractor.

Mr. Davis made a motion to vote on each proposal individually. Seconded by Mr. Kress the motion passed unanimously.

Proposal #1 was brought up for discussion and there was discussion by some committee members that this proposal, because it is an ongoing business of AgroSource, should not be funded by CRDF.

Mr. Davis made a motion to recommend to the Board approval for proposal #1 for support to the Section 18 renewal of Firewall® for grapefruit targeting citrus canker for \$75,000. Seconded by Mr. Newlin, the motion passed with two negative votes.

Mr. Newlin made a motion to recommend to the Board approval of proposal #2 for expanding the Section 18 SLN label to include targeting canker on round oranges for \$150,000 for year one. Seconded by Mr. Stopyra, the motion passed unanimously.

Mr. Davis made a motion to recommend to the Board approval of Proposal #3 to develop information on the efficacy of Firewall® and Fireline® for \$904,585 for year one. Mr. Howard made a motion to amend the proposal to trade out one of the orange field trials for a grapefruit trial. Seconded by Mr. Davis, the motion to amend passed unanimously. Mr. Newlin seconded the original motion adapted with the amendment, and the motion passed unanimously.

Mr. Newlin made a motion to recommend to the Board approval of proposal #4 to begin development of a regulatory packet that would include GLP conditions for Firewall® and Fireline® for \$827,600. Seconded by Mr. Davis, the motion passed unanimously.

Dr. Syvertsen presented the research plan for a field trial of soil drench of three target products to prevent or combat initial HLB infection in young citrus trees. This project will be bid to crop consultants for the applications and Dr. Wang with UF, IFAS will provide technical support. The cost for the first year is estimated at \$37,224 with year two costing \$44,000. This would be a two year total of \$81,224. Mr. Davis made a motion to recommend to the Board approval for this project. Seconded by Mr. Stopyra, the motion passed unanimously.

With no further business, the meeting was adjourned at 10:40 am.

Minutes submitted by Diane Johnson