

CITRUS RESEARCH AND DEVELOPMENT FOUNDATION, INC.

Minutes of Board of Directors Meeting

January 28, 2014

A Meeting of the Board of Directors of the Citrus Research and Development Foundation, Inc. was held on Tuesday, January 28, 2014 at the Ben Hill Griffin Hall, Lake Alfred, Florida. The meeting was properly noticed and recorded. The meeting was called to order at 9:30 am by President Tom Jerkins. Roll was called and a quorum was present. Board members present were: Mr. Bobby Barben; Mr. Larry Black; Dr. Lisa Conti (phone); Mr. Joe L. Davis, Jr.; Dr. Mary Duryea (phone); Mr. Tom Jerkins; Mr. Ricke Kress; Mr. Ben McLean; Mr. Jerry Newlin; Mr. Wayne Simmons; Mr. Bob Stambaugh; and Mr. Hugh Thompson. Dr. Joe Joyce was absent. Also participating were: Ms. Sarah Anderson; Dr. Calvin Arnold; Mr. Maury Boyd (phone); Mr. Dennis Broadaway; Dr. Harold Browning; Dr. Jackie Burns; Ms. Barbara Carlton; Mr. Greg Carlton; Dr. Jim Dukowitz; Ms. Sharon Garrett; Mr. Michael Haycock (phone); Ms. Diane Johnson; Mr. Travis Murphy, Jr.; Mr. Ernie Neff; Ms. Audrey Nowicki; Mr. Stephen Peleger; Ms. Shannon Shepp; Mr. Mike Sparks; Mr. David Steele; Dr. Jim Syvertsen; Dr. Tom Turpen; and Mr. Mitch Willis.

Mr. Kress moved to accept the Minutes of the December 10, 2013 Board of Directors meeting. Seconded by Mr. Stambaugh, the motion passed unanimously.

Ms. Shepp introduced David Steele, the new Director of Public Relations for the Florida Department of Citrus.

Long Term Research Funding and Legislative Matters: Mr. Sparks reported on the state funding request for four million dollars in FY 2014-2015 to support HLB research at CRDF. The Farm Bill would cover a five year period at \$25 million per year managed through the NIFA Specialty Crop Research Initiative. The House could vote on this as soon as Wednesday and the Senate within a week or two. On February 20th Congressmen Tom Rooney and Dennis Ross will be at Florida Citrus Mutual. Both Congressmen were instrumental in getting this legislation passed. Board members are encouraged to attend. Mr. Jerkins and Mr. Black thanked Mr. Sparks and the Florida Citrus Mutual member's dedication in getting this bill passed.

Executive Committee: Chairman Tom Jerkins reported that the Executive Committee met on January 7, 2014 to review the status of trials and projects that have moved from Research Management to Commercial Product Delivery. A specific discussion on the management of field trials ensued. A scope of services was presented and Dr. Jim Syvertsen was approved as a consultant to begin work on the design of these field trials.

Finance and Audit Committee: Chairman Hugh Thompson reported that the committee met on January 24th, during which a UFICO representative provided an overview of the performance and status of the Foundation investment portfolio as of December 2013. Mr. Thompson reviewed the December 2013 financial summary Dr. Browning presented proposed revisions to the FY21013-14 budget for consideration. He proposed a decrease in the FDACS box tax revenue of \$423,000 due to the reduced crop estimate in January, as well as other prospective changes to the budget based on the first six months' activity, and included a donation from Bayer Crop Science. Mr. Thompson made a motion to

recommend Board approval of the revised budget as presented. Seconded by Mr. Kress, the motion passed unanimously.

Mr. Thompson thanked both Coca Cola and PepsiCo for supporting the legislative efforts.

Governance Committee: Chairman Bob Stambaugh reported that the committee met on January 20th. The committee received the Department of Citrus reappointments of Ricke Kress and Jerry Newlin for another three year term. Mr. Stambaugh made a motion to recommend the current slate of officers continue for another year. Seconded by Mr. Barben, the motion passed unanimously.

Mr. Stambaugh noted the COO evaluations are due in the coming month and proposed a slightly revised evaluation form. Mr. Stambaugh made a motion to approve this revised form for this year's evaluation. Seconded by Mr. Newlin, the motion passed unanimously.

Commercial Product Delivery Committee: Chairman Ben McLean reported ISCA Technologies, Inc. is requesting \$400,000 funding from CRDF with an additional \$240,000 to be provided by growers. Terms of the funding agreement were discussed and options were considered. Mr. McLean made a motion to recommend an equal share investment by ISCA, cooperating growers and CRDF. The alternative option of a royalty return should be pursued if the first recommendation is not realized. The motion was seconded by Mr. McClure and passed unanimously.

A Research Services Agreement with UF for Dr. Gonzalez to conduct *in vitro* testing of antimicrobial compounds on citrus leaves for efficacy against HLB was proposed. The plan for 60 tests over a six month period has a budget of \$266,025 at a per test cost of \$4,433.75. Mr. McLean made a motion to fund Dr. Gonzalez in the amount of \$266,025. Seconded by Dr. Conti, the motion passed unanimously.

A proposal for a field trial of 2,4-D plus AVG treatments on Valencias by Dr. Albrigo was proposed with a budget of \$39,795. Mr. McLean made a motion to approve Dr. Albrigo's trial at a cost of \$39,795. Seconded by Mr. Kress, the motion passed unanimously.

Another proposal submitted by Dr. Albrigo to conduct a field trial of 2,4-D, 1-MCP, S-ABA and Jasmonic Acid treatments at a cost of \$12,722 was proposed. Mr. McLean made a motion approve Dr. Albrigo's second trial at a cost of \$12,722. Seconded by Mr. Kress, the motion passed unanimously.

At the December 10th meeting of the CPD committee, additional scenarios were presented for plant growth field trials. A follow on project to Dr. Schuman's Advanced Citrus Production Systems and nutrient uptake research was discussed, for frequent, low rate, applications of 2,4-D and other options to encourage plant health response. Dr. Albrigo would conduct this 14 month field trial starting February 2014 at six sites (Valencias and Hamlins) at a cost of \$64,230. In addition a Single 2,4-D +GA trial would be conducted at a cost of \$11,542. Mr. McLean made a motion to approve these trials at a total cost of \$ 75,772. Seconded by Mr. Newlin, the motion passed unanimously.

Dr. Jim Syvertsen, a plant physiologist recently retired from UF, IFAS, CREC was recommended to serve as Field Trial Program Manager. His background in citrus physiology and experience with natural

occurring microbes, along with his extensive field trial experience, makes him a suitable candidate for this position. Mr. Newlin made a motion to ratify the Executive committee approval to hire Dr. Syvertsen for the grower field trial scope of services presented. Seconded by Mr. McLean, the motion passed unanimously.

Dr. Turpen presented the quarterly report for Dr. Dukowitz, noting the main priority is to get the field trials under way.

Members of the Board expressed the urgency of delivering HLB solutions for growers within the next year. With new funding being released, CRDF should encourage the companies capable of carrying solutions forward to move aggressively and provide help as needed.

Staff will meet with EPA to discuss antibiotic strategies and the best pathway moving forward. There will also be an Antimicrobial Advisors team meeting to review the most recent evaluation data and provide a list of candidate antibiotics for inclusion in field trials.

Nurseries need help in stocking appropriate rootstock and scion materials. The CPD committee needs to evaluate nurseries and their current limitations.

A new concept labeled Psyllid Shield, has been added to the CPDC Tier one projects. This concept would use the CTV vector to protect a young planting with RNAi-mediated psyllid control. When psyllids feed on these treated trees the psyllid would be killed and survivor's ability to vector disease would be reduced or eliminated.

Research Management Committee: Chairman Bobby Barben updated the board on the CAPT13 cycle. The SAB team will be meeting Wednesday through Friday, January 29-31. The Research Management Committee will meet shortly after the SAB. The list of CAPT13 projects being recommended for approval will be presented to the Board at the February meeting.

Industry Research Coordinating Committee: Chairman Wayne Simmons plans to schedule an IRCC meeting soon to start a new GAP analysis.

COO Report: Dr. Browning reported the Brazil document will be posted to the CRDF web site soon. He also reported that the Department of Citrus has a four-person review team working on creating a pathway forward for FDOC research in support of marketing.

New Business: There was no new business to report.

Future CRDF Meetings:

- Research Management Committee meeting - TBD
- CPDC meeting - February 25, 2014 9:00 am
- Board of Directors meeting – February 25, 2014 1:00 pm.

With no further business, the meeting was adjourned at 12:15 pm.

Minutes submitted by Jerry Newlin