

CRB/CPDPC Joint Operations Committee Meeting  
Citrus Research Board Office  
Conference Room  
217 N. Encina Street  
Visalia, Ca 93291  
Minutes of Meeting  
May 2, 2012 10:00 a.m.

A Meeting of the Citrus Research Board/Citrus Pest and Disease Prevention Committee Joint Operations Committee was called to order by Chairman Dan Galbraith at the Citrus Research Board Office, Conference Room, Visalia, California. A quorum was established with the following in attendance:

Joint Committee Members

Dan Galbraith, Chairman  
Link Leavens, Vice-chairman\*  
Etienne Rabe  
Dan Dreyer  
Kevin Severns\*  
Kevin Olsen  
Mark McBroom\*

CRB Ex-Officio

Earl Rutz

CRB Staff:

Ted Batkin, President  
MaryLou Polek  
Brian Taylor  
Rick Dunn  
Cynthia LeVesque\*  
Luise Fisher  
Emma Torres  
Brent Eickelberg  
Fe Sylvester

CDFA Staff:

Debbie Tanouye

Interested Parties

Anne Warring  
Nancy Holland\*  
Dave Machlitt\*

\*Participated by phone and/or Webex.

**Call to Order**

Chairman Galbraith welcomed all in attendance. Roll call was taken to confirm who were attending in person including those via audio conference and/or WebEx.

**Review of Minutes**

Chairman Galbraith asked if anyone had any questions, additions, edits or corrections to the CPDPC and CRB Operations Joint Committee meeting on April 4, 2012. There were none.

**Review of financial reports and approval of CRB action - Louise Fisher items and expenditures.**

Fischer reported on the CRB expenditures. The \$3K in repairs for the air conditioner at the Riverside lab has not been moved over to the building repairs yet. The first column on the report provided is the expenditure for March 2012. The second column is year-to-date expenditures since October 1<sup>st</sup>, 2011. The third column is the original budget, and the fourth column is the amended forecast, which is the original budget minus the amount that was determined to be available to release from the CRB contract to go along with the transition of the trapping program including

the trap readers to CDFA. There is another report that will discuss the transition in detail. After removing those amounts from the budgets that CRB will not need for the trap readers and trappers, the amended year-to-date is what's left to spend until the end of September.

Rabe asked to clarify if the column on the Year-to-date: March 31, 2012 is an amended budget. Fisher stated that at this time it is an amended budget from what we started with and what the CRB took out. Batkin clarified that because of the time lag and everything on billing, CRB can't actually forecast the year-end until about June when CRB has a better idea on where the transition to CDFA is trending.

Fisher reported on the proposed adjustments to the Operations Budget. The first column is the original budget, the second column is the amount to be released from the CRB Ops budget and the third column, is the amended budget which matches the amended forecast in the previous report.

Rabe asked about the adjustment column that has the amount of \$714K, is it the amount that CDFA came up with. Fischer answered "no." The CDFA budget is less than the amount being transferred. Batkin explained that in this budget, CRB Operations had a full-year of additional trappers that they did not hire. Fisher agreed and added that the cost CRB Operations is relating to do not match because there are other things that are incurred and there are things that are not incurred – and CRB has different number of personnel in the trappers and trap readers. Rabe asked if there is a connection with CDFA and the CRB budget. Taylor stated that the CRB projection that they made last August for what they spent this year. Fisher said that CRB and CDFA's budget are not exactly the same budget. In CDFA's report, there are 17 field technicians and four trap readers. CRB actually has 22 field techs. Taylor said if they include the three leads, then it is correct.

Rutz asked about the \$26,500 in supplies if this is for the additional traps that would be needed by CDFA for the balance of the year. Taylor stated that it reflects the savings that they are going to have. Batkin stated that the \$26,500 is the monies that CRB will not spend on traps out of their supply budget. He explained that Tanouye will have a figure in her budget for the traps that she will purchase and that may or may not be \$26,500. It will all depend on whatever their needs are. Rutz followed up asking about the balance of the year, whether CRB is still supplying the traps. Batkin said, "Yes, until they run out of traps." Rutz asked what about other supplies like pens, pencils, paper towels, etc. Batkin clarified that CRB is providing those other supplies (pens, pencils, etc.) but when they use up the supply of traps, then CRB will not buy any more traps through this contract.

Taylor asked Tanouye if CRB could discontinue ordering traps. Tanouye agreed and added, traps are coming on a staggered basis, about 50K each shipment. She ordered a total of 600K through the end of June of 2013. Galbraith asked Tanouye if in future meetings if McCarthy will be presenting their field budget at the joint operations meeting. Tanouye stated, "yes." Batkin asked Tanouye if CDFA's budget is through CRB's fiscal year. Tanouye answered it is through CRB fiscal year, which is through September, 2012.

## **CDFA Detection update.**

### **a Trapping - Debbie Tanouye**

Tanouye stated that CDFA is now entering contracts with the counties using the (Technical Assistance Specialty Crop grant) TASC monies to do urban trapping. Taylor asked how many traps for the urban contracts are for the proposal and if these are outside the blue line. Tanouye answered that she does not have the figure yet on the number of urban traps because she has not received the contracts for the counties. Some of the counties that do not have commercial citrus production and they are asking them to piggy-back their traps with another trap such as a fruit fly traps, and so there's saving on cost. She also clarified that the traps contracts are outside the blue line. She stated that all the traps within the blue line are either in the process of being removed or very close to being totally removed. Taylor asked if there is an estimate on the number of traps. Tanouye answered about 40K-45K. Galbraith asked what the principle is for the "100 traps within the blue-line area being scrapped" did CDFA stop monitoring those. Tanouye answered for now they are discontinuing setting traps in areas within the blue line.

### **b. HLB Survey – Debbie Tanouye**

Tanouye reported that CDFA is now conducting the transect survey in the Hacienda Heights area. CDFA surveyed a five-mile radius around the detection site by first going out in the cardinal directions and then filling in between. CDFA is focusing on find sites and looking at the other pests. CDFA completed the survey for the 800-meter radius from the detection site. There are a few residents that CDFA has not contacted. There is also a language barrier, so they have had the notice letters translated into two languages – Vietnamese and Chinese. This week, they went back to the 800-meter radius trying to follow-up on residents they have not been able to contact before, and so far there has been little success in contacting them. Batkin asked if in doing that survey, is CDFA also looking for and collecting psyllids. Tanouye said, "Yes." Olsen asked if once the notices and handouts are translated, is it going more smoothly and is there more accommodation from the residents in the 800-meter radius. Tanouye answered that for the most part, once they understand what CDFA is trying to do, residents are more cooperative.

Leavens raised the question as to whether the residents of the 800-meter radius within the HLB find site could be a potential problem. Tanouye answered "yes." Rabe asked if the survey is based on what the committee approved at the last meeting – is CDFA looking at everything or not yet. Tanouye answered that within the 800-meter radius, CDFA is looking at everything, but they have not gone back for a second round. The CPDPC Science committee recommendation was re-evaluated by CDFA entomologist, Dr. Hoffman and the CDFA primary plant pathologist, Tim Tidwell, and Susan McCarthy and revised the recommendation before it was presented to the Secretary of Food and Agriculture. Rabe asked what the modifications are. Tanouye answered that it would reduce going back to the find site's 800-meter radius from "six times a year" to "four times a year." Tanouye added CDFA will re-do a budget based on that modification and will be presented to the CPDPC meeting on May 29, 2012.

Batkin raised the issue that there are two separate recommendations being sent to the Secretary, one from the CPDPC Committee and one from CDFA's Dr. Hoffman, Tidwell, and McCarthy, which is a modification of dropping the "six-times-a-year survey to four-times-a-year." He asked what the basis for the drop in number of surveys was. Tanouye answered that there are two issues

involved; number one is resources and the second is the concern of going to the same residents a number of times and then eventually, the residents would not want the survey done in their property anymore. Batkin asked for more clarification for the basis of the second reason Tanouye gave – was it feedback from the residents or CDFA not wanting to do the surveys too many times. Tanouye answered that it is based on previous CDFA experiences wherein they have gone several times to the property and after a while they do not want CDFA surveyors anymore especially since CDFA will be surveying, taking psyllid samples, and taking plant samples from their properties. She said that it is not as simple as servicing the traps for a few minutes because inspectors would be there for a while. Batkin followed up with his question of would it have been a good idea to have shared that back with the CRB’s science committee and the CPDPC Committee before forwarding it to the Secretary. Tanouye stated that the recommendation that has the modification has not yet gone to the Secretary because Dr. Leavitt and his staff are still reviewing it.

Rabe said that he agrees with Batkin because the science committee understands now that they are more advisory and the committee cannot dictate. Rabe asked Tanouye to talk to Dr. Leavitt to refer the recommendations with the modification back to the CRB Operations and its science committee for comments before it goes to the Secretary. Tanouye said “Yes.”

Batkin asked for clarification when Tanouye said “resources,” is it about funds to hire people to do the surveys. Tanouye answered, “Yes.” Batkin stated that the committee is approved funds and resources for CDFA to survey “six-times per year,” it implies that the CPDPC committee is giving CDFA enough resources to hire the people to do survey at that level (six-times per year) – “that availability of funds” is not a debate – CDFA has been provided enough resources. Rabe agreed and was assuming that CDFA will come back with a more detailed budget for this meeting, and he was assuming that when it comes to resources, the budget would cover the “six-times-a-year protocol.” Batkin stated that the issue of resources to hire manpower has been debated for three years. He emphasized his concern that the citrus industry was asking for something to happen and giving CDFA the resources to do it, and then go back to the same debate and so it becomes negative debate in the minds of the people who are paying the bill.

Severns stated his concerns that if a given resident is uncomfortable about the trapping/surveys, when they are talking about HLB in the area, he is conflicted about Dr. Leavitt’s speech at the CCM regarding CDFA being aggressive on the HLB problem and then on the other hand saying that “Well, if the residents give CDFA enough flack, their surveyors will back off.” Tanouye explained that it is not really backing off. She stated that if they have a symptomatic plant and they felt there is a risk, CDFA will survey the property, give handouts and notices that are translated in their language, and they will obtain permission to take samples. Now if the residents continue to refuse, CDFA’s intends to get warrants and go to the properties to survey, get samples, and treat the residents’ citrus trees for psyllids. CDFA’s intent is 100% getting the samples they need and at the same time trying to maintain a level of cooperation of the residents.

Rabe stated that what should be conveyed to Dr. Leavitt (and there may be some kind of call between Dr. Leavitt and Dan Galbraith as chairman of CRB Operations) – that the 800-meter radius is a research site and the CPDPC committee appropriated money for what was recommended (six-times a year) by the CRB science committee. Rabe said he thinks CDFA should do what the CPDPC committee approved. They may have questions in their (CDFA)

minds, but that is what was approved by the committee. Polek stated that it could be that what was happening was just a communication gap; maybe what needs to be included in the information given to the homeowners up front is the reason why the survey is being done and to explain more about the latency of HLB. That is what CDFA is trying to get after, by sampling so many times. To explain to residents that there is a period of time in between when the psyllids transmit the bacterium and when the disease can be detected in the trees. She thought that if residents will have an understanding of it, it would be better. Galbraith asked if CDFA properly informs the residents up front that they plan to be there six times in the next twelve months. Tanouye stated that that is part of their regular protocol especially when they were treating with the fruit flies, and at some point, some resident start refusing treatment. Polek clarified that they are talking about sampling/trapping. Tanouye said CDFA was taking samples from their trees, which is a little different from treatment, but she will talk to Dr. Leavitt. Galbraith asked how many samples are taken from the 800-meter radius so far. Tanouye said she does not have that information yet.

### **Treatment Update**

#### **a. Residential – Debbie Tanouye**

Tanouye reported that in Los Angeles there have been some detection in Northern Los Angeles County and the treatments have been completed and there have been no additional finds. CDFA is still treating Yucaipa and Redlands in San Bernardino County and these will be finished soon in the next few weeks. They have completed treatment at Winchester, Menifee, Eastville, Perris, Beaumont, Canyon Lake, Lake Elsinore in Riverside County. Also in Riverside, they continue to treat in Hemet, Sun City, and Murrieta. What CDFA is working on is the large area near UC-Riverside campus that has approximately 130,000 properties. CDFA is conducting public meetings for that area. CDFA can manage about 10,000 properties per meeting, so there will be 13 meetings and they already started the meetings. They will start treatment on those areas that already had the meeting on May 7, 2012.

Batkin asked for clarification if CDFA just started the meetings in the Riverside area and that they have not been treating those areas where there is a high number of infections. Tanouye answered “Correct.”

#### **b. Commercial - Brian Taylor**

Taylor presented his report map that Tanouye just showed. Taylor stated that in San Bernardino County all commercial citrus within 400 meters of a find site had been treated. In Riverside County most of the required treatments have taken place and that he instructed Dunn to map all those areas that still require treatment and he will be checking to determine if they are indeed commercial. If they are identified as commercial, then CRB will be contacting the property owners and getting their trees treated. Taylor discussed with the group which areas are treated and which are not yet treated.

Leavens asked what the status of the university block with the citrus variety collection. Batkin answered that the citrus variety collection, which includes the Murraya citrus, is essentially being protected by treating everything around the UCR campus and Peggy Mauk is in charge of that. There has not been any psyllids in the direct area. There had been a couple of finds in the

residences near it, but Mauk has an extensive treatment program going on throughout the campus and so it is a very aggressive program in a half-mile or larger radius around the citrus variety collection. There is a committee that has formed a foundation to deal with the citrus variety collection and they are looking at long-range strategies of re-propagating everything in the collection and taking it to a site that would be more protected than being in the center of Riverside. So there is a whole host of activities going on right now in the citrus variety collection in UC-Riverside.

**c. Blue Line Discussion**

**Debbie Tanouye\*\***

Rabe asked when do these areas (referring to the areas on the map Taylor presented that have red dots around the green belt along Victoria Drive and all of the areas around UC-Riverside and all the commercial side on the south end) when the blue line would have to be extended. Batkin answered that CDFA will be able to provide that data (on how long it would take for those area to be part of the blue line). If ACP is not being suppressed, we have to just give up on the ACP treatment in Riverside County. Rutz agreed with Batkin that those areas mentioned should be treated immediately because the blue line is getting closer and closer to his property every time he sees the map.

Olsen asked if CDFA has an estimate when all those above mentioned areas on the map will be done with treatment. Tanouye answered that the southern part is almost complete and they are starting on other areas. It would be at least two months before treatment is completed. Galbraith asked what CDFA's method of treatment is; do they work from outside in or how to they approach it as far as stationing their crews. Tanouye answered they start at the perimeter of the treatment areas, their crew do it by city block. They start with the north end area of every city block until they spread their crew out to within that 800-meter radius. With some smaller ones, they only have one crew. Galbraith asked how does CDFA treat the "91" area. Tanouye answered that CDFA has divided the area up into the 13 areas. They follow major roads. They are treating parts of those 13 areas next week and then they have the other meetings scheduled throughout next week.

Rabe asked Tanouye for the next meeting, to provide maps of the 13 areas of treatment so this information can be discussed by the science committee. In addition, he requested if CDFA could provide a spreadsheet of the areas with the date of CDFA treatment, stage of their treatment, and dates of any reinfection. Tanouye agreed to do this.

**CRB Operations**

**a. Laboratory Activities – Cynthia LeVesque**

Le Vesque reported that in the last month, they have tested 1,344 pooled CDFA psyllid samples, 1,920 CDFA nursery plant samples and everything tested negative for HLB. Their current staff is still three permanent full time, one lead trap reader, and six part-time trap readers, and three California State University San Bernardino interns. The CRB lab did an evaluation of some high through-put instrumentation options and they are still in progress as far as getting quotes and preparing the presentation for that. They are also in the process of developing a budget for increasing throughput maxima and this is almost complete. CDFA laboratory staff will visit the CRB lab on May 9, 2012 and May 10, 2012. They are still working on developing high through-

up versions of CTAB and Trizol. They are initiating work on developing Hailing Jin's sRNA and mRNA procedures for high throughput protocols.

Dunn asked if the sharp beads are going to be beneficial. Le Vesque answered, "No." What they discovered is that the current beads, if they just increase the beating time, they get as good a result. So they can stick with the zirconium oxide beads, and they are cheaper. Le Vesque added she does not want to transition to that a procedure without HLB positive material to test it with – that is why they want to get some of the positive materials from the HLB infected tree so that they can actually do a final evaluation. To assess its procedure initially, CRB sends staff to Florida to work with HLB positive samples and therefore validate CRB lab procedure.

Rabe asked if they received any of the samples from CDFA or where were the samples of the HLB infected tree taken to. Le Vesque answered that the only thing they got was the initial ACP sample and that they have not received anything else from that. CDFA refused CRB lab's request for plant materials from the HLB positive tree. Le Vesque's said that with her communications with CDFA lab's Luci Kumagai every week, it is now her understanding that all new samples from that area are going to the CDFA labs. The CRB lab is getting a very small number of samples. Rabe followed asked if the CDFA lab has the capacity and does it run samples at the same price. Tanouye answered "yes" on the capacity but she said she does not know about the price. Rabe stated that an analysis is necessary to determine the cost for sample analysis by the CDFA and the CRB labs. He thinks it is important for the committee to know where they can do it more cost effectively.

Le Vesque stated that she asked Kumagai why they were not getting any more samples and why they were not getting any of the samples from the find site area and Kumagai said that that was what has been decided, that samples have to be tested in CDFA labs. Le Vesque said she is not sure if that decision came from APHIS or CDFA. Rabe asked Chairman Galbraith to have that clarified with CDFA regarding as to why the CRB lab is no longer getting samples. Galbraith agreed to do that. Rabe asked Tanouye to get them updated where CDFA people are in sampling, how many times they treat on different zones, and so on. Tanouye agreed to do those.

**b.Data Management Report - Rick Dunn\***

**i. Reallocation of Funds within the  
Data Management Budget to Facilitate  
Trapping Program Transition to CDFA**

Dunn brought to the committee a proposal requiring a vote reallocating funds in the amount of \$3,750 within the CRB's Data Management budget. He stated that they are using the CRBCubed database and he is still running the MS Access database in parallel for security. There are two reports that are now being done manually. They are the Trap Reader Statistics and Quality Control Report and the Trapper Activity Report. The lead trap readers and Taylor prepare these each week. These require manually processing data that is already in the database to produce these reports. He went to Mark Worsnop, the programmer who created the CRBCubed Database. Worsnop has estimated the 30-man hours with the quoted amount of \$3,750 is to develop the automated reports and exports required. The purpose is to facilitate the movement of the two aforementioned reports to CDFA and eliminate the time that is being spent doing it manually. There is money in CRB Data Management budget that is designated for training and data communication that would cover the \$3,750 estimate. Taylor gave additional detail describing the

process of producing the reports manually.

Galbraith asked if manually creating the reports is time consuming. Taylor replied “yes” and added that between him and the two lead trap readers it takes about eight hours each week – but all that data is already being captured in the CRBCubed database. Galbraith asked the two leads and Taylor have to go back into the database, take it out manually and prepare it for the CDFA, if this could be cause for potential for errors. Taylor replied “yes.”

Dunn entertained two more questions from Olsen and Rabe. Galbraith asked how long it takes to transfer the report to CDFA each week. Taylor replied about 24-hours. Batkin estimated about 15½ weeks (approximately four months) for the return of investment.

**05.02.2012 Rabe moved and Leavens seconded to allocate \$3,750 for Mark Worsnop to program the two reports and exports entitled “Trap Reader Statistics and Quality Control Report” and the “Trapper Activity Report.”**

**6 out of 7 voted “Aye” and 1 abstained. Motion was carried.**

Dunn presented his update on the status of the citrus mapping layer. He showed the group a chart showing the sources of data CRB is utilizing and noted there are sources out there that CRB has not yet obtained. He stated that they were finding that part of the project was more time consuming than he had anticipated – connecting of these data sources to the citrus layer in a way that maintains the cryptic nature of the layer. CRB database management uses codes that are acronyms for companies, or permit numbers, or assessors’ parcel numbers rather than printing the owner or the name of the permittee and connects these to the citrus mapping layer. Dunn explained that in mapping all the citrus in California, some of the county by county ground truthing has been completed. That is the case with almost all of the ground truthing in Southern California. The CASS field staff is now in control of CDFA, so if CRB is going to continue with it ground truthing, they will have CASS personnel to do it or find another alternative. CRB also needs to address the continuing attribution of information in the layer.

Dunn reported that CRB is close to having actually digitized 80% of the citrus properties and they are much farther along in certain counties than others. They have been working really hard and making good progress in Riverside, San Bernardino, and Ventura Counties especially in terms of interviewing growers pest control advisers, etc. There is a lot more to do. At the last combined meeting, Hill asked how the process might be accelerated. He feels there’s a need for completion at an earlier date than CRB is headed for. So, Dunn went to CRB partner at UC-Kearney, Kris Lynn-Patterson to discuss with her what it might take to accelerate this process. Lynn-Patterson has just brought on board another GIS technician, Andrew Isner and proposed that we might add two intern students for the summer. Dunn stated he will work on a complete detailed proposal in the amount of \$6,000+ for the committee to vote on next month. Olsen asked for clarification about a third of the budget monies not yet spent; are those surplus funds that will not be spent. Dunn answered “No, those will be spent; it just will not accelerate the process of getting the mapping and ground truthing completed. Batkin stated that it is a contractual issue – the university gets three incremental payments of one-third each for the fiscal year.

Rabe asked if the 260,000 acres total is from the annual CASS estimate. Dunn replied that those numbers were from a 2009 data set. Rabe suggested the CASS estimate is more accurate at 278,000 acres. Batkin agreed but expressed his concern that CASS only tracks Navels and Valencias, not all citrus varieties. Rabe explained that CASS tracks all citrus varieties and asked Dunn about ground Truthing, if the trappers will still do that for CRB now that the trappers do not report to Taylor. Taylor answered that it was part of the transfer package that CASS trappers do ground truthing for CRB. Batkin agreed and explained that to further solidify it, Dr. Leavitt committed the services of CASS trappers to do this, he placed a high priority on trapping, and also Leavitt committed to APHIS and USDA-ARS to use their services for ground truthing.

Dunn expressed that the concern of CDFA now is getting the servicing cycle to meet the parameters of the Australian Export Program requirement, which CDFA sees as an urgent requirement. Until they have achieved that, there won't get a lot of ground-truthing done. Dunn will convey this issue to Art Gilbert to see what can be done. Dreyer commented that he is quite pleased Kern and Ventura Counties are so far along in progress

### **Bio Control Task Force Report – Brian Taylor**

Taylor reported that the biocontrol using *Tamarixia* in various sites is ongoing. He stated that David Morgan continues to make releases in selected locations primarily in Azusa and Bell Gardens. All four locations in the Azusa and Bell Gardens showed evidence of parasitism by *Tamarixia*. Taylor showed a picture of a parasitized pupa in a curry leaf. They also have seen the spread of the parasites. UCR is still in the process of building up the number of parasites, so the release is still limited. Taylor reported that hopefully by May 15, 2012 the UC-Riverside lab will be at their maximum production and there will be more *Tamarixia* releases throughout the area on additional sites.

Galbraith asked if the Hoddles are doing any evaluations beyond just going back and seeing whether the *Tamarixia* program is working. Taylor answered that the Hoddles have dropped out in some ways and that most of the work is being done by Morgan.

Batkin reported that the CRB continues to discuss with Cal-Poly and they are ready to demolish their old greenhouse to build a new one. Morgan has a greenhouse at his facility with a contract to have it built by Conley's Greenhouse – that is all planned for next fiscal year because it would require some budget issues. Batkin reported that Joe Barcinas is also working with Lisa Santos and her team on privatizing the biocontrol program. Barcinas has some ideas that he wants to do on his own – he already started construction of a house for raising plants. At the Rubidoux facility, they are growing of plants for everybody – for CDFA, for the UC-Riverside lab, and for Joe Barcinas. The Rubidoux facility has the capability to increase three-fold as they are one-third their total greenhouse capacity. Ben Rangel, has four different species that he is raising, using, studying, and testing to discover which is the best species for this purpose. Galbraith asked if Aviva Goldman (the lady that worked in doing evaluation with the Hoddles) is working for Morgan now. Batkin answered, “no” and added that there is a team effort that involves the CRB staff, Hoddles, Joe Morse, Richard Stouthamer, David Morgan, Ben Rangel, and Michael Pitcairn on the biocontrol program. Batkin stated that Taylor along with the help of Dunn and Ed Civerolo are tracking things and Polek has the ultimate CRB responsibilities in the science to do the things for the team.

### **CPDPC Report - Susan McCarthy**

McCarthy was not present for the meeting and no one presented the CPDPC report.

### **Chairman Report - Dan Galbraith**

Chairman Galbraith has nothing prepared to report. He opened for discussion for the committee – if they are satisfied with the reporting detail and are there other things that they should be looking at do they need a little more detail on things, or are they missing some things.

The discussions are:

1. Olson stated that he would like to see more details on the CDFA treatment report.
2. Rabe suggested McCarthy be in all of the meetings as much as possible because he would like to see the CDFA Updated Treatment budget on a monthly basis.
3. Discussion on stem-and-leaf citrus:
  - a. Levens suggested the elimination of the harvesting and marketing of stem-and-leaf citrus. Severns and McBroom agreed adding that it should be expedited immediately.
  - b. Batkin stated that the stem-and-leaf marketing should be addressed in a structured, formalized manner with serious discussions along with the science committee. Levens agreed.
  - c. McBroom added that in Imperial County, once ACP quarantines came in January last year, its Ag Commissioner as well as USDA disallowed stem-and-leaf marketing of citrus. He expressed his thought that if there are regulations that the commercial growers have to adhere to, they need to make sure that that's applicable to the public as well, and if they need to get the legislature, if need be, to make these things happen.
  - d. Galbraith suggested to go ahead and put together a five-man committee who would study the stem-and-leaf marketing issue then do a report back to the Joint Operations committee and then whatever comes out of that, give it to 281.
  - e. Batkin suggested having a thorough review of regulations and determine if it is an enforcement issue. He will get together with Galbraith in starting the process of forming the sub-committee and then present it to Chairman Hill asking what to do with it.
  - f. Rabe stated that the science committee already decided there should be no stem-and-leaf or trash in the bins. Batkin stated that it is more procedural to flow it to the science committee to make sure that all stones are covered.
  - g. Polek suggested assembling a literature packet review of any of the people that have published on the stem-and-leaf issue.

4. Dunn asked about cash buyer harvesters if they are adhering to regulations. Batkin clarified that cash buyer harvesters are being regulated as they have to obtain a permit from the Ag Commissioners.
5. Galbraith stated that he will call Dr. Leavitt about the treatment updates (and the modifications on the number of visits), especially in regard to the 800-meter radius of HLB find site in Hacienda Heights.
6. Galbraith stated that if they do think of something between now and next meeting, they should contact him.

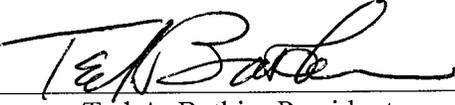
**Adjournment - Galbraith**

Meeting was adjourned at 11:52 a.m. Next meeting will be held at the CRB Conference Room in Visalia on June 6, 2012 at 10:00 a.m.

**Certification:**

I, Ted A. Batkin, President of the Citrus Research Board, do hereby certify that, to the best of my knowledge, the foregoing is a true and correct copy of the Minutes of the CRB Operations and Citrus Pest Disease Pest and Disease Joint Committees Meeting held in May 2, 2012.

5/05/12  
Date:

  
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Ted A. Batkin, President