

**CALIFORNIA CITRUS PEST AND DISEASE PREVENTION PROGRAM
COMMITTEE MEETING**

Meeting Minutes
Thursday, August 13, 2015

Opening:

The regular meeting of the California Citrus Pest and Disease Prevention Committee (CPDPC) was called to order at 10:00 a.m. on August 13, 2015 in Exeter, California by Committee Chairman Nick Hill.

CPDPC Members Present:

Richard Bennett	Gus Gunderson	George McEwen
Franco Bernardi	Nick Hill	James McFarlane
John Gless	Link Leavens	Kevin Severns
Jim Gorden	Mark McBroom*	Brian Specht*

CPDPC Members Absent:

Craig Armstrong	Scott Mabs	Etienne Rabe
Bob Felts, Jr.	Kevin Olsen	

CDFA Staff:

Jason Chan*	Lucita Kumagai*	Mike Pitcairn
Tina Galindo	Jason Leathers*	Nawal Sharma*
Art Gilbert	Magally Luque-Williams	Debby Tanouye
Adrian Gonzales	David Morgan*	Scosha Wright
Victoria Hornbaker	Colleen Murphy	Bob Wynn*

Guests:

Laura Arellano*	Elise Larsen*	Brian Taylor*
Bob Atkins	Don McCoon*	Debbie Trupe*
Erin Betts	Peter Nelson*	Alan Washburn
Bob Blakely	Pat Nolan*	Dan Willey*
Dan Dreyer	Richard Ordonez*	Roberta Willhite*
Richard Dunn	Carlos Ortiz*	Scott Woods
Teo Gonzalez*	Curtis Pate*	Helene Wright
Beth Grafton-Cardwell	Tim Pelican*	Judy Zaninovich
Nancy Holland*	Sylvie Robillard	Sandra Zwaal*
Shirley Kirkpatrick	Jim Rudig	
Linda Haque	Cressida Silvers*	

*** Participated via Webinar**

Opening Comments:

Chairman, Nick Hill, welcomed the Committee, staff, and members of the public participating in person and online and stated there is a quorum for the meeting.

Public Comment:

Richard Bennett would like see the Committee’s budget increase by \$1.4 million dollars to advance the top 3 early detection technologies (EDT). This will be revisited under the appropriate agenda item.

COMMITTEE BUSINESS & UPDATES

Nick Hill reviewed the minutes from the Committee meeting that took place on May 13, 2015. There were no corrections.

Motion: Approval of the minutes from the May 13, 2015 Committee meeting as presented.

First: Gus Gunderson

Second: John Gless

Motion Passes: All in favor

UPDATE ON HLB POSITIVE TREE IN SAN GABRIEL

Victoria presented a timeline of ongoing activities in San Gabriel due to the HLB finds there. The initial tree was found as a result of the HLB risk-based survey. USDA confirmed the positive plant tissue on July 9, 2015. The homeowner allowed CDFA to treat and remove the tree on July 10, 2015. All adjacent properties were surveyed and treatments were completed on those properties as well. CDFA initiated quarantine procedures which will consist of a 5 mile radius around the find site. On July 13, 2015 the 800 meter residential visual survey was initiated and CDFA staff began survey activities of production and retail nurseries in the proposed quarantine area, putting all host plants on hold.

On July 15, 2015 a second tree, adjacent to the initial find, was confirmed positive for HLB and the tree was removed the following day. A public meeting was held on July 16, 2015 and was very well attended. Notices were delivered to residents on July 17, 2015 to notify them of the insecticide treatments that began on July 20, 2015. The quarantine is combined with the Hacienda Heights quarantine totaling in 177 square miles in Los Angeles and 3 square miles in Orange County.

On July 22, 2015 CDFA confirmed 2 additional HLB positive trees on the same street as the initial positive tree. Both trees were treated and removed on July 22, 2015. Approximately 90 nurseries and garden centers were surveyed, ACP/HLB material was found at 30 of the entities and 8,040 plants were placed on hold. As of July 31, 2015 all surveys and treatments are complete except for the refusal properties. There were initially 53 refusal properties however after CDFA staff explained the reasoning of the treatment, there are now 8 refusal properties. Warrants will be served at the 8 properties on August 14, 2015 to get those properties treated.

On August 6, 2015, 5 additional trees were confirmed positive in 3 locations within a block and a half of the pervious finds. The same day CDFA began issuing abatement letters for treatment

refusal properties. On August 7, 2015 and August 8, 2015 the 5 trees were removed. CDFA is continuing to treat no contact and refusal properties under abatement authority. A follow-up public meeting was held on August 11, 2015 due to the expanded treatment area.

Victoria presented a draft of the revised HLB work plan with the Committee and asked them to review the document. If the Committee is comfortable with the revisions made, the work plan will be adopted at the next Committee meeting.

FINANCE SUBCOMMITTEE REPORT & DISCUSSION

a. 2014/2015 Budget and Assessments

James reviewed the 2014/2015 budget and sub-budgets with the Committee. To date \$11,841,266 in assessment revenue has been received with a remaining projected balance of \$2,674,733. The assessment budget for fiscal year 2014/2015 is \$16,622,678. Through June 2015 there has been \$9,926,597 in expenditures to the assessment budget, leaving a balance remaining of \$6,696,081. There has been \$2,812,657 spent for urban treatment and \$2,269,849 has been spent for central valley treatment and surveying year to date. These two have been the highest expenditures to date. There has been \$783,305 spent for Santa Clara treatment and surveying, which is \$123,716 over the budgeted amount due to the multiple ACP finds in that area. The finds in Santa Clara have been addressed with the new northern California response protocol which involves more trapping but less treatment and less surveying which saves funding. The projected CHRP budget amount is \$9,624,859. So far, \$5,009,777 has been spent, with a balance remaining of \$4,615,082. The CHRP budget will be receiving a one-time augmentation of approximately \$1.2 million. It has been identified that the best way to utilize the funding would be to transfer it to the assessment funds and use \$900,000 for commercial grove trapping and \$300,000 for ACP winter trapping which will show on the July 2015 financial reports. The TASC grant has a total budget of \$475,000 with a remaining balance of \$148,344. The National Institute of Food and Agriculture (NIFA) grant has not been touched since the last meeting and has the same balance of \$84,194.

b. Variance Analysis Review

Year to date the ending variance for the assessment budget is -8.37 percent. There have been 59.72 percent of projected expenditures spent for fiscal year 2014/2015 so far. CDFA staff has been better with projecting lag times and reporting expenditures.

c. Budget Authority

CDFA staff presented a projection to the Executive Committee in July 2015 for fiscal year 2016/2017 and 2017/2018. The Executive Committee decided to put forth a budget change proposal to add \$1 million in spending authority. This will bring the spending authority from roughly \$15.5 million to about \$16.5 million. If the budget needs to be changed for fiscal year 2015/2016, there would need to be an emergency budget change processed through the Governor's office.

d. Review Draft 2015/2016 Budget Projections

CDFA staff has projected that a few line items will be over spent for fiscal year 2014/2015. \$257,904 will be overspent for Santa Clara Treatment and Surveying, \$160,000 for CDFA

ACP/HLB Diagnostics, \$100,937 for San Benito Treatment and Survey, and \$12,677 for ACP/HLB regulatory work. The ACP/HLB regulatory work was approved by the Executive Committee so the full Committee only needs to approve the budget proposals for the remaining 3 line items. Jim Gorden recommended increasing the HLB risk-based survey by a third cycle at the same intensity of the 2 cycles per year that are currently ongoing. Nick Hill suggested CDFA presenting a budget for a third cycle at the next CPDPC meeting for approval.

Motion: to increase the budget in the amount of \$160,000 for CDFA lab activities, \$100,937 for activities in response to ACP in San Benito County, and \$257,904 for activities in response to ACP in Santa Clara County.

First: James McFarlane

Second: Jim Gorden

Motion Passes: The motion passed with 11 yays and one nay

James presented the 2015/2016 Crop Estimate to the Committee. Staff has projected 177,600,000 cartons at \$.09 per carton bringing the total budget to \$15,984,000. There was a recommendation made to increase the maximum per carton assessment due to HLB now being found in California. Surveying and treatment will need to now be increased.

The budget projections for fiscal year 2015/2016 are still being put together however a few line items have already been projected with no major changes from the prior fiscal year. The budget projections will be complete by the next Committee meeting.

EXECUTIVE COMMITTEE REPORT & DISCUSSION

a. Review and Revise Executive Committee Structure and Member By-Laws

Nick Hill suggested adding two members to the Executive Committee: the Chairman of the Finance Subcommittee and the Chairman of the Operations Subcommittee. Elections for new Executive Committee members will be held the first meeting of the calendar year. It was suggested that the Past-Chairman of the Executive Committee be an Ex-Officio member due to their knowledge and involvement with alternate voting privileges when a member of the Executive Committee is absent. This will also make it more likely for a quorum which has be an issue in the past. The Finance Subcommittee is currently not listed in the by-laws and Victoria recommended that it be added to the list of Subcommittees.

Motion: to amend the Committee By-Laws: to add the Finance Subcommittee to the list of Subcommittees, to add 2 members to the Executive Subcommittee; the Finance Subcommittee Chairman and the Operations Chairman and to include the Past-Chairman as an alternate who will have voting privileges when a member is absent and to set the election of officers for the first meeting of the calendar year.

First: Link Leavens

Second: George McEwen

Motion Passes: All in favor

b. Appointment of Subcommittee Members

Richard Bennett was appointed to the Operations Subcommittee.

c. Best Use of ACP Effective Insecticides

Dr. Beth Grafton-Cardwell gave a presentation on the best use of ACP effective insecticides. She stated that all of the information presented can also be found on her website (www.ucanr.edu/sites/acp) to help homeowners and growers better understand what steps they can take to help eliminate ACP. Beth categorized the pesticides into broad spectrums and soft spectrums. The broad spectrum pesticides tend to have the longest residual. She gets this information by studying natural enemies and how the parasites react to the chemicals in the insecticides. *Pyrethroids* last a month or more and *Danitol*, *Baythroid* and *Tombstone* last longer than *Mustang*. *Bexar* and *Sequoia* (unregistered) residues last about 2 weeks. *Exirel*, *Agri-Mek*, *Micromite*, *Altacor* and *Fujimite* are all “soft” insecticides and did not leave residue for longer than 8 days after treatment and some left no residue 5 days after treatment. Beth reviewed a few organic pesticides however, none have long residual. Out of the organic insecticides, *Entrust* does the best however the other trial showed that *Entrust* didn’t last much longer than 10 days, which is why organic products must be applied every 10-14 days. Beth does not consider organics to be a part of disinfestation or irradiation because they are not strong enough and do not have long residual. Irrigation frequency, water solubility, soil type, chemigation methods, root activity and the age of the trees are all important factors that affect the effectiveness of systemic insecticides. The best treatment uptake is June through December. Beth reviewed the phases of response to ACP in commercial citrus and the seasonal variations in the eradication strategy. The goal is to get 2 insecticides applied to locally eradicate the pest. Beth also reviewed the components of ACP area-wide management which is very general information due to different regions having different pest issues and different treatment programs. She gave some tips on conventional treatment practices as well as organic treatment practices. There are currently a lot of ongoing treatments in the San Joaquin Valley that are helping to limit the establishment and development of ACP. The UC IPM guidelines have been recently updated with the list of chemicals and a lot of the concepts that were reviewed at the meeting for more information.

d. Regional ACP Management

Bob Atkins, Statewide Grower Liaison Coordinator gave several updates. All but two of the grower liaison contracts have been transitioned to CDFA contracts, the San Bernardino contract and the second Ventura grower liaison contract. Grower liaisons are succeeding to increase participation and timeliness of area-wide treatments. There is also improvement in the timeliness of the pesticide use reporting. Unfortunately, the MAC grant proposal to repeat the testing of all the leading early detection technologies (EDT) on known positively infected plants and true negative plants from Florida, Texas, and California was denied funding. The EDT task force will meet again shortly to seek alternate funding. Victoria stated the Department of General Services has some issues with Bob’s contract and CDFA is working diligently to resolve the problem.

Alan Washburn, grower liaison for Riverside County stated that there are a few growers in the Hemet area who are not willing to treat and they are finding bio-control releases to be a substitute for treatment. There was further discussion about bio-control and how big of an issue this can be if people are interpreting releases as a substitute for treating. David Morgan stated that there are many different groups that produce *Tamarixia*. However, CDFA is not provided with all of the wasps. Some wasps are used for “experimental use” which CDFA does not have

control of. David also stated that where CDFA has done releases, there has been no refusal of treatment.

e. Statewide Quarantine Working Group Report

John Gless gave a summary of the Statewide Quarantine Working Group (SQWG) report and presented a recommendation for the Committee to consider. There is a point at which all, or a majority of the citrus production will be under quarantine for ACP. When that is reached, there is potential that the state interior quarantine will be deregulated and the quarantine will default to the USDA quarantine for the entire state and movement will cease to be regulated with only movement out of the state being monitored. The group has developed a proposal that would provide mitigations for intrastate ACP movement. John reviewed the mitigations for the movement of both bulk citrus and nursery stock. Victoria stated that SQWG report has been sent out to some key people in the nursery industry for feedback. There were a few concerns with what the working group proposed and Victoria asked they respond with alternate mitigation scheme. Chairman Hill suggested waiting to hear back from the nursery industry with their recommendations before moving forward with the proposal. Chairman Hill also recommended the proposal be sent to shippers and packers for their feedback.

f. Revised ACP Nursery Insecticide List

In December, CDFA certified the Environmental Impact Report. The report did require that there be amendments to the list of nursery chemicals. Maximum use rate was required at one time however, that requirement has been removed and nurseries are now required to use label rates.

OPERATIONS COMMITTEE REPORT & DISCUSSION

a. HLB Survey Updates

Magally Luque-Williams gave an update on the risk-based HLB survey. Cycle 0 is complete in all counties. Cycle 1 is complete in all counties except for Los Angeles, Orange and San Diego. All three counties are all close to complete with the lowest percent complete being 84 percent. Cycle two has already begun in Tulare and Fresno. All other counties are in progress for cycle two. A total of 132,128 sites, 5,910 STRs, and 8 counties were surveyed in cycle 0 which was completed in 2014. As of July 2015, 90,228 sites, 2,315 STRs, and 16 counties have been surveyed in cycle 1 which is anticipated to be complete at the end of August. There are 5 counties left to survey for cycle one which are Amador, Calaveras, Mariposa, Tuolumne, and Sacramento counties. Cycle 2 began in June 2015. The number of STRs and number of sites to sample are similar to those of cycle 1. CDFA staff anticipates completion of cycle 2 in December 2015. Magally reviewed survey improvements that CDFA staff is working on implementing which include: tree tags, developing an HLB survey guide, developing a quality control guide, centralized data entry, developing a method to incorporate the samples with low Ct values into the current survey, and resurveying all of the sites with “lower” Ct values.

Tina Galindo gave an update on the HLB survey in Hacienda Heights. There are 100 traps placed in the core square mile in Hacienda Heights. In April there were 76 traps with ACP samples and an estimated 282 ACP collected. In May there were 52 traps with ACP samples and an estimated total of 177 ACP collected. In June there were 64 traps with ACP samples and a total estimated amount of 222 collected. Imidacloprid and cyfluthrin treatments were completed April 27, 2015

through May 13, 2015. The next imidacloprid treatment will be in mid-September of 2015. Survey cycle 1 was completed on February 24, 2015 and 683 sites were visited. The survey resulted in 456 ACP samples, 10 plant samples collected and 225 sites negative for ACP. Survey cycle 2 was completed on April 29, 2015. There were 638 sites visited with, 529 ACP samples collected, 49 plant samples collected and 112 sites negative for ACP. Cycle 3 was completed on June 29, 2015 and 621 sites were visited. The survey resulted in 376 ACP samples, 22 plant samples collected and 216 sites negative for ACP. Cycle 4 began July 7, 2015. Thus far there have been 180 sites visited with, 130 ACP samples collected, 22 plant samples collected and 46 sites negative for ACP. Victoria reported that CDFA staff have been giving information from ongoing activities in San Gabriel to Dr. Gottwald and Dr. Bartels.

b. Treatment Updates

Tina gave an update on Southern California treatment activities. There is currently one treatment area in Santa Paula which is 80 percent complete. There are a total of 36 areawide treatment zones in Ventura and public meetings are pending from August 30, 2015 through November 29, 2015. The HLB 800 meter treatment in San Gabriel has been completed with expansion area treatment in progress which started August 13, 2015. There have been 1,370 properties treated so far in San Gabriel. The new positive HLB finds have expanded the treatment area by about 330 properties and the treatment area expansion is continuing. In Riverside, Hemet is pending areawide treatment with a public meeting pending for October 2015. In San Diego, San Ysidro is 40 percent complete with 4 areas being treated. Pauma is pending areawide treatment with a pending meeting for August 2015. There are 4 areas being treated in Imperial and should be complete by August 31, 2015.

Debby Tanouye gave an update on Santa Clara County. ACP has been detected in 3 separate locations since October 2014 and CDFA has implemented the approved Northern California protocol. The last ACP trapped was on July 21, 2015 which is 500 feet from a previous detection site. The area will be re-treated during fall flush. So far, 3,440 sites have been surveyed and treated and 890 traps have been deployed.

Art Gilbert gave a treatment update for Northern California. All counties are complete excluding Nipomo, Arroyo Grande, and Buttonwillow and one area in Porterville which are still in progress. Wasco has gone two years with no ACP finds. CDFA is going to provide USDA with all of the negative trap data and they will make a determination for ACP exit strategy. For commercial grove trapping there has been 7,278 traps deployed and 16,735 traps serviced as of July 29, 2015. In July, 4,796 sites have been sampled and 986 sites were visited with 577 ACP collected. As of May 8, 2015, 18,704 adult ACP has been collected, 14,564 nymphs collected, and 3,732 sites negative for ACP.

c. Biocontrol Program Update

Mike Pitcairn gave an update on the Biocontrol Program. Year to date 1,057,105 Tamarixia, and 80,754 Diaphorencyrtus have been released. These numbers include the greenhouse, as well as the outdoor screen house production. Releases are ongoing in organic and abandon groves. Mike suggested diverting some Tamarixia from the urban grid release to the San Gabriel area, perhaps 200 meters around the perimeter acting as a buffer. There is a biocontrol task force meeting being held on September 24, 2015 and more will be discussed there. The building materials have

been delivered to CalPoly and should be done by the end of September. If the facility is not complete by the end of September, staff will need to disencumber funds from the current fiscal year to the next fiscal year which is not an issue.

Jim Gorden briefly gave an update on the field insectary ACP biocontrol project and methods development activities. Year to date there have been 280,641 Tamarixia produced from field cages and 28,013 produced from lab colonies. 150 Diaphorencyrtus have been produced from field cages as well. There was a question asked regarding permits for commercial insectaries to rear Tamarixia. Jim stated that there was USDA funding for another insectary last year however the process is very timely and USDA did not see an additional facility being economically viable.

d. Laboratory Updates

Victoria briefly reviewed the lab report and let the Committee know that the reports are in their binders for review. There was a table presented that covers all 9 HLB positive trees. Year to date 9,281 plant samples and 34,915 ACP samples have been tested.

SCIENCE SUBCOMMITTEE REPORT & DISCUSSION

a. Report from July 8, 2015 Science Subcommittee

Victoria presented a summary of the report from the July 8, 2015 Science Subcommittee. The Subcommittee reviewed the journal article by Dr. Lee et. al. which includes the research that Dr. Halbert from Florida was involved in, regarding asymptomatic spread of HLB. The Subcommittee also reviewed the Gottwald survey model and the progress of the survey. It was suggested creating a video of the survey to illustrate ongoing activities and why it is important. Dr. Bartels risk model was also reviewed and the subcommittee recommended that CDFA provide 2015 data to Bartels on a flow basis. Resample data was reviewed. There were 133 sites that had a 37 to 38 Ct value range that are going to be resampled.

b. Update on Early Detection Technologies

Bob Atkins reported that there was a meeting scheduled for late August however since there have been some issues with MAC funding and there being no Texas survey to review, it was cancelled. The task force has discussed testing ACP nymphs and the flush on which the nymphs were found to perhaps produce an early detection of HLB. The problem is there is no USDA accepted work plan to use in the lab for flush. There was discussion about forming another working group to research the available scientific literature and experiment with testing positive ACP nymphs and processing the flush.

OUTREACH SUBCOMMITTEE REPORT & DISCUSSION

Outreach Chairman Franco Bernardi directed the Committee members to the outreach summary in the binders. Victoria gave a brief update on behalf of NST and ongoing outreach activities.

The meeting was adjourned at 3:00 p.m. The next meeting will be held in San Bernardino, California on September 9, 2015 at 10:00am.