



MULTI-AGENCY MEETING ON COFFEE LEAF RUST

THURSDAY NOVEMBER 12, 2020 9:30AM

Teleconferencing via ZOOM

MEETING NOTES

- Welcome/Introductions
 - Mitch Heidenreich
 - Juli Coughlin - IR4 Program UH
- Updates
 - HDOA (Kevin Hoffman)
 - Surveys
 - Continuing to survey across islands
 - USDA notified samples from Kona are confirmed CLR
 - USDA notified samples from Hilo **not** confirmed CLR
 - NIS confirmed - negative
 - AFIS identified very few spores
 - Continuing to send USDA suspect samples
 - All suspect samples from Oahu are negative
 - Surveys on Maui are mostly kept in feral fields, farmers continue to monitor their own farms to alleviate possible spread between farms
 - Protocol from farmers is to send in a picture prior to HDOA visiting commercial site
 - Efforts to reach underserved populations that do not have access to electronic PR
 - Article published in West Hawaii Today with little information on *what to do if they see CLR*
 - Possibly a good ROI if we place an ongoing ad in the paper

- Quarantine (**wifi connection went out so I was unable to get good notes on this section**)
 - Any testimony for the iterum rule is due today by 4:30, meeting on interim rule will be tomorrow 11/13
 - Interisland shipping
 - Disinfectant on bags - isopropyl alcohol, still in consideration
 - Container to ship in - sealed drum, still in consideration
 - Provisions are being written with some leeway
 - UV treatment is also in consideration and tested
 - Imported plant material (timeline & restrictions)
 - Propagating during quarantine
 - Planning to make CLR resistant plants more easily available quickly and safely
 - Shipping directly from Hawaii Island or Maui to mainland - this permit would not apply
- USDA Letter
- Education
- Pesticide Branch
 - Any pesticide approved by EPA but not currently approved in Hawaii, needs to be licensed by pesticide branch
- USDA
 - PBARC (Marisa, Lisa, Tracie)
 - research and development of tools and technologies
 - immediate role, survey and use of rolo rods
 - primers for PCR for preliminary identification of CLR
 - Can begin testing for present resistant varieties for specific strain of CLR identified in Hawaii
 - Begin bringing in CLR resistant varieties
 - Long term: determining when would be the best time to spray copper fungicides and help with IPM if CLR is established
 - Can help with need for quarantine, UV treatments

- Timeline for established race and variety resistant to race
 - Already being done on the mainland and will be another couple weeks out for study
 - screening the germplasm resistance beginning in a greenhouse environment and can do so here, in Hawaii, now that there is a strain of CLR confirmed in Hawaii - could take months
 - ID for strain/race of CLR for molecular analysis will be ready in the coming weeks, but the physiological test done on coffee plants takes longer.
- Sanitation
 - Premature defoliation as spore load increases (lower branches first, moving up tree), best to remove this material prior to falling as spread continues from the ground
- Race/Strain in Kona vs Maui
 - Samples sent out from both islands - information/confirmation to come in the coming week
- APHIS role - Hilda
 - First ID of CLR in Hawaii
 - Emergency Response Plan - early detection and rapid response, management of incident in Hawaii. Being written in collaboration with several public and private partners. Implementation will be collaborative.
- Varietal working group - Hilda
 - Importing plant material - Barriers
 - Comprised of researchers, industry leaders, and experience with land management
 - Assist growers in immediate emergency response to CLR and identify appropriate resistant varieties in Hawaii
 - To make those available, health, resistance to rust on each island, and agronomic factors

- First task - id coffee varieties, some already in Hawaii as well as abroad
 - Ask for government assistance in bringing varieties abroad in Hawaii
- Second task - Of those being tested in Hawaii, a group are recommended for propagation
- Third task - Obtain permits to import CLR resistant varieties that are in the USA or international, permits are different if moving Hawaii variety from one island to another (DOA), bringing plants from other states or international, need HDOA and APHIS permits
- Fourth task- How will we propagate?
- Fifth task - Distribution of those varieties
- Sixth task - Survey and monitor - already started but will be ongoing long term
- Economic impact short term and long term
- After version 5 of this task force is finalized, costs will be analyzed and shared with broader team for feedback. Living document, ten year plan. Working plan to address in the first year. Looking for funding sources with APHIS support.
- Likelihood of funding support through APHIS and timeline for distribution phase
 - This is an emergency, assuring assertiveness and aggressive efforts to make case in APHIS.
 - Emergency funding can be added with language from congress - working with Dave Chun on mechanisms to make this possible.
 - APHIS admin can reallocate funds from other programs for this emergency in the first year. Effort still remains that this is a 10 year plan and needs ongoing funds.
 - Open to input on other organizations that might be willing to provide funding.
- CLR resistant varieties already being grown in Hawaii - legally or not - barriers that were put in place to protect from CBB have been lacking and

do not build resistance. Efforts could wither when waiting for congress to react.

- Challenge exists in changing permitting requirements
- Example of Puerto Rico variety transition and transportation from outside the country
- UH CTAHR - Andrea
 - Support letter request
 - Submitting a proposal to Western Extension Risk Management, Looking for funding for release of publications and educational materials - would come in after April 2021
 - However, trying to get funding immediately
 - Asking for help within the community to spread information and keep message consistent
 - Less than 5% infection, contact insecticides are essential now
 - Help growers identify when low incidence of infection is on their farm, but Andrea needs to know better what early symptoms look like in the field - difference between cercospora leaf spot vs CLR.
 - IR-4 Pesticides Julie Coughlin
 - Done some work with CLR fungicides
 - Initiated in 2017 for preemptive rust pesticide but not complete, samples still in the lab. Tolerance petition submission is set for March 2021. Likely out two years.
 - Recognizes urgency of situation and identifying potential products, contact registrants for support, and once list is finalized will be shared.
 - IR4 trial funded for 2021 for bio and conventional fungicides
 - Emergency approval for tools - a number of ways to approach registration to shorten timelines.
 - Taking data from other areas where active ingredients are already registered (ie. latin america) and can bridge data to set US tolerance.
- HARC - Chifumi

- Working with Varietal working group and PBARC
 - Also in contact with breeder groups internationally, collecting and sharing information
- SHAC - Suzanne
 - No updates
- International Partners
 - No updates
- Lawmakers
 - No updates
- HCA/Private sector
 - Organization
 - Continue to have meetings weekly
 - Advocacy
 - Ongoing
 - Update Resource list
 - Continued updates
 - Communication infrastructure
 - Webinar(s) 11/19 - see Hawaiicoffeeassoc.org
 - Media
 - Continue to use our communication infrastructure
 - Donating money to Andrea's efforts at UH CTAHR
 - Stakeholders
- Other resources
- KCFA (Kona Coffee Farmers Assoc) - Barbara
 - Growers webinar today 4-5pm featuring Luis and Lisa
 - Will share with this group
 - Webinars are available on YouTube (Zoom recorded and posted online)
 - Every Thursday from 4-5
 - No information on upcoming and hope to coordinate to avoid duplication
- HCGA

- No updates

- Next Steps

- Next meeting Wednesday 11/18 9:30
- CLR Webinar w HCA 11/19 9:30

Resource List:

HDOA:

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- State Plant Health Director
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- Caribbean Advisor to the APHIS Administrator

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- Agricultural Economist, Prices Branch
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- Ralph Gaston - Director
- Darwin Inman - Director
- Suzanne Shriner – Administrator

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HCA Board of Directors:

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1. Ka'u Local Products, LLC – Chris Manfredi (President)
2. Greenwell Farms, Inc. – Tommy Greenwell (Vice President)
3. Pacific Coffee Research- Brittany Horn (Secretary)
4. Island Sun Coffee – Donna Woolley (Treasurer)
5. Hawaii Agricultural Research Center (HARC) – Juli Burden
6. Hawaii Coffee Growers Association – Kimo Falconer
7. Heavenly Hawaiian Farms – Dave Bateman
8. Honolulu Coffee Company- Tyler Zimmer
9. Kona Coffee Farmers Association-Suzanne Shriner
10. Ka'u Coffee Mill- Louis Daniele
11. Kauai Coffee Company LLC – Fred Cowell
12. Maui Coffee Association – David Gridley
13. Maui Oma Coffee Roasting Co.- Maria Holmes
14. Monarch Coffee – Abigail Munoz
15. The Curb- Ross Uehara-Tilton

Staff: Alla Kostenko

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