

Supporting Hawaiian Agriculture: The IR-4 Project's Impact

*Hawaii Coffee Growers Association
Conference*

June 24, 2021

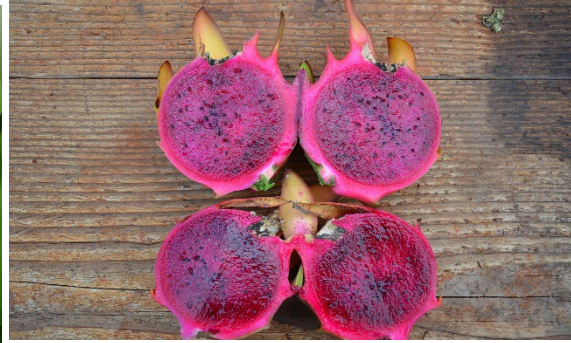


Agenda

- **What in the world is IR-4?**
- **Coffee Research in progress**
- **Response to Coffee Leaf Rust**



Specialty Crops



- Generally less than 300,000 acres
- Includes:
 - Fruits
 - Vegetables
 - Horticulture crops
 - Nursery crops
 - Others

Specialty Crop Pesticide Challenge

Use labeled?



Specialty Crop Pesticide Challenge

IR-4 Mission

Facilitating the regulatory approval of sustainable pest management technology for specialty crops and specialty uses to promote public well-being



How does IR-4 Support Hawaii's Ag. Industries?

- Insecticides for Banana aphid
- Fungicides for Pineapple post harvest molds
- Herbicides for weeds in Papaya
- Registrations in other crops: watercress, dragon fruit, basil, taro, ginger, passion fruit, avocado, lychee, etc.





Coffee Project Updates

- Insecticides
- Herbicides
- Nematicides
- Fungicides



Coffee Insecticides

- Avaunt for Coffee Berry Borer: Report ready to submit to EPA
- Brigade WSB for Coffee Berry Borer: Field trials complete, lab analysis ongoing
- Exirel for Coffee Berry Borer: Registered (State RUP)
- Sivanto for Green Scale: Tolerance established, reduced risk



Coffee Herbicides

- Alion pre-emergence weeds: Registered
- Amine 400 vine control: Field trials complete, lab analysis ongoing
- Rely 280 non-RUP paraquat alternative: Crop safety trials ongoing.



Coffee Nematicides

- Salibro: Need efficacy trials before starting residue trials
- Velum Prime: Tolerance established by bridging existing international residue data. Petition to EPA in preparation

Coffee Fungicides

- Anthracnose efficacy trial planned for 2021 in Hawai'i and Puerto Rico.

Products to be tested:

Cueva[®],
OSO[™] 5%,
Aprovia[®] Top,

Kenja[®] 400 SC
Approach Prima





Coffee Leaf Rust Response



Section 18 Emergency Exemption:

IR-4's contribution:

- IR-4 HQ reached out to registrants to identify potential fungicides
- IR-4 prepared proposal to EPA bridging international data to support establishment of domestic tolerances
- IR-4 will prepare petition to EPA for Sec 3 label for Priaxor®
Xemium®
- Crop safety trials requested by BASF are complete



Coffee Fungicides

IR-4 efficacy and crop safety trials ongoing in Hawai'i and Puerto Rico to screen other potential products for CLR control. Products included:

Quadris Xtra	Aprovia [®] Top
Aproach Prima	Priaxor [®] Xemium [®]
Dithane F-45	Pyraziflumid 20SC
Excalia [®]	



Mahalo!

www.ir4project.org
www.wrir4.org

