



College of Tropical Agriculture and Human Resources
University of Hawai'i at Mānoa

Pesticide Registration Program

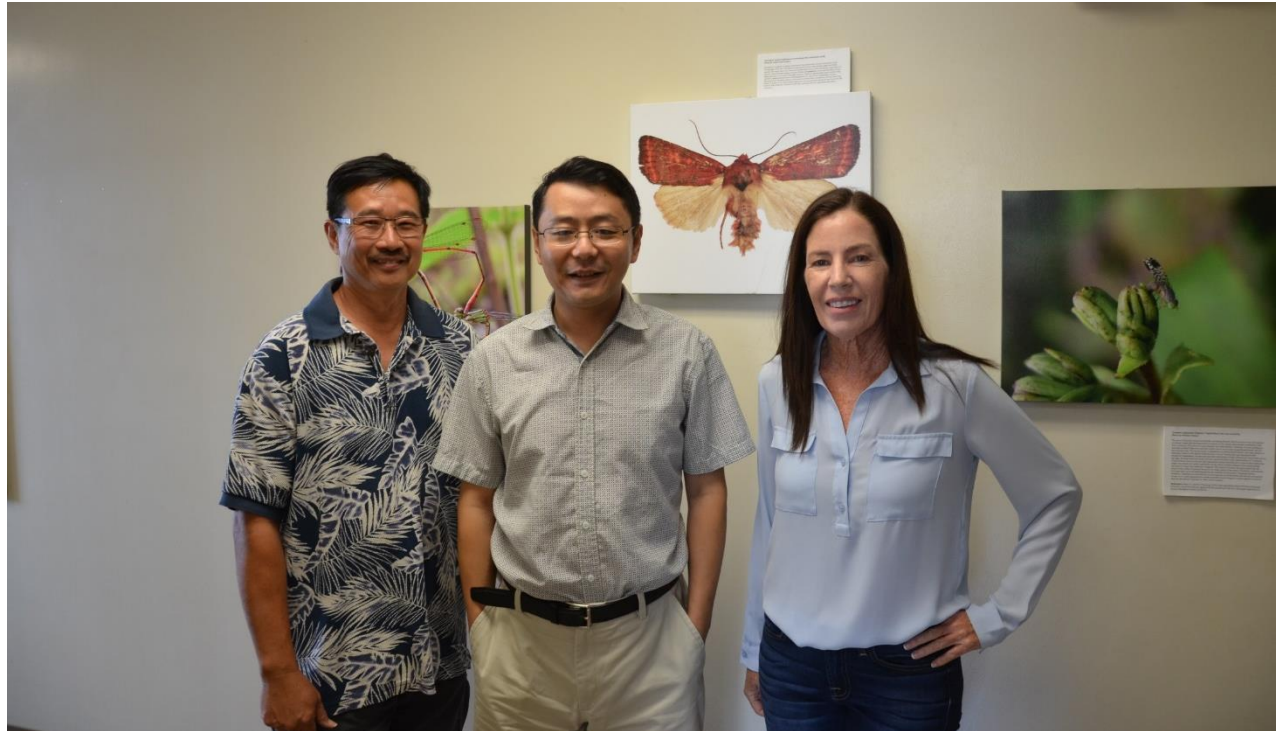
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- Who we are
- What we do
- The IR-4 Process
- What have we done for you lately?
 - Some approved products
 - Products in the pipeline



Who We Are

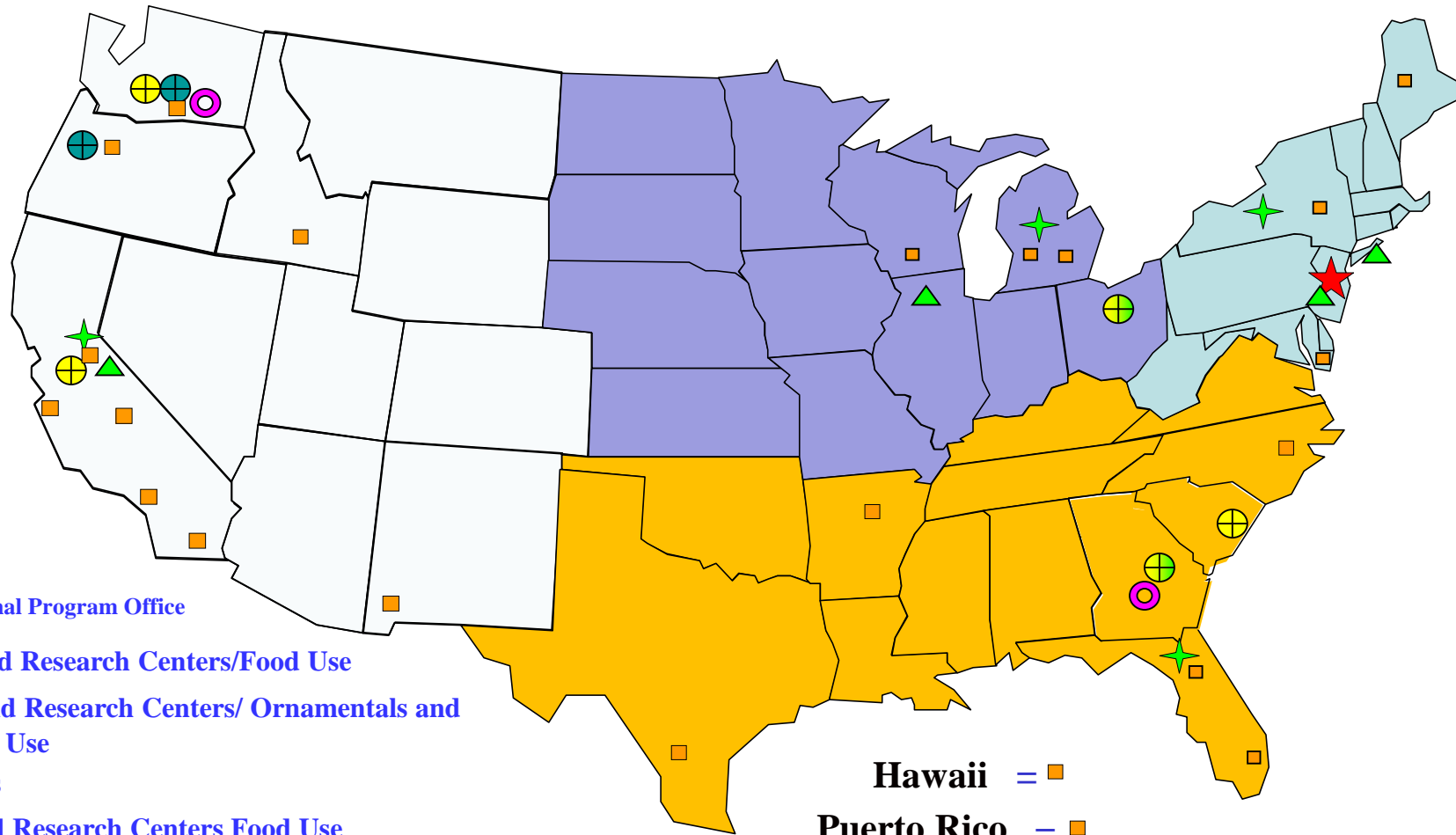


Dr. Zhiqiang Cheng, PI
Julie Coughlin, James Kam, Field Research Directors

IR-4.....What we do

**Provide Safe and Effective
Pest Management Solutions for
Specialty Crop Growers**





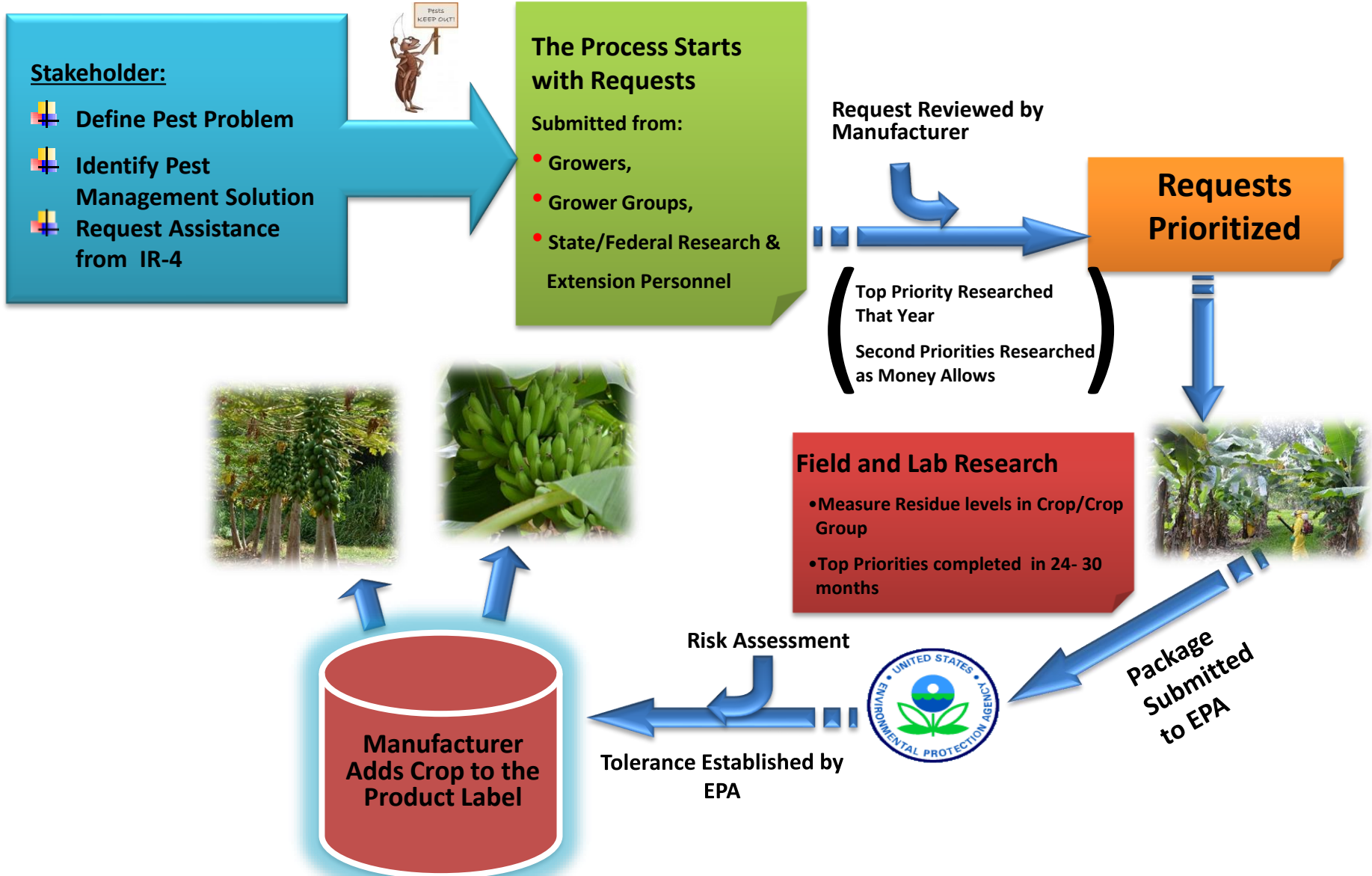
-  **IR-4 HQ**
-  **IR-4 Regional Program Office**
-  **State Field Research Centers/Food Use**
-  **State Field Research Centers/ Ornamentals and Non-food Use**
-  **ARS Labs**
-  **ARS Field Research Centers Food Use**
-  **ARS Field Research Centers Ornamental**
-  **ARS Field Research Centers Ornamental and Food Use**

Hawaii = 
Puerto Rico = 

Background

- Companies that develop plant protection products focus their efforts on large acreage crops that offer greater potential for significant sales.
- This often leaves minor crop growers with limited pest management options.
- The result is a major void for specialty crop growers to protect their crops (fruits, vegetables, herbs, ornamentals and other high value horticultural crops)

The IR-4 Process



Crop grouping



Residue trials on representative crops in a crop group generate a tolerance for the entire crop group

Crop Grouping

Crop Group 24B: Tropical and Subtropical, Medium to large fruit, smooth, inedible peel subgroup

Representative crops: Avocado, plus pomegranate or banana

Crop group includes: avocado, banana, pomegranate, mango, papaya, persimmon, plus many other tropical fruit crops.....

- EPA reviews and establishes tolerances on 20-30 chemicals per year
- This data supports nearly 1000 new uses each year



Coffee

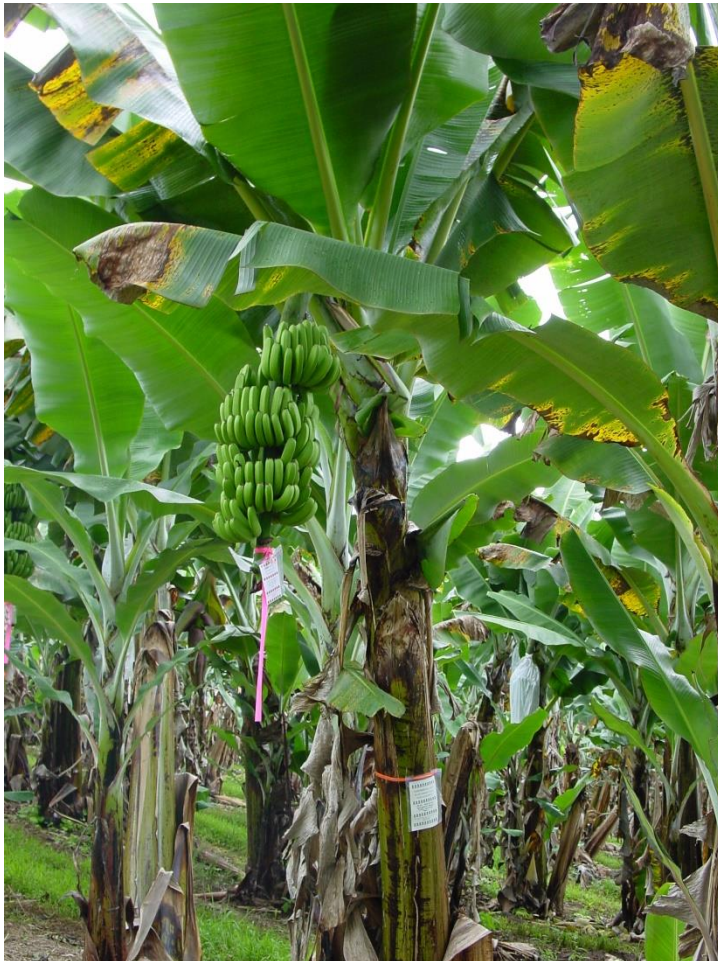
Approved Products:

- Movovento for green scale
- Delegate for coffee leafminer
- Alion for weeds

Products in the Pipeline:

- Brigade for CBB
- Exirel for CBB
- Avaunt for CBB
- Quadris Xtra for coffee rust
- Sivanto for green scale

Product Updates



Banana

Approved Products:

- Delegate for banana moth, thrips
- Movento for banana aphid

Products in the Pipeline:

- Rely for weeds
- Reglone for weeds
- Fontelis for black sigatoka
- Kanemite for mites
- Fugimite for mites

Product Updates

Papaya



Approved Products:

- Movovento for sucking insects
- Scholar for anthracnose (PH)
- Aim for weeds
- Apollo for mites

Products in the Pipeline:

- Rely for weeds
- Fusilade for grass weeds
- Luna Sensation for black spot
- Omega for anthracnose
- Quadris Top for fruit rot

Product Updates



Pineapple

Approved Products:

- Movento for mealybugs
- Scholar for surface molds (PH)



Basil

Approved:

- Reason for downy mildew

In the Pipeline:

- Presidio for downy mildew

Summary

- The IR-4 Project has been assisting minor crop growers for over 50 years to develop data to support the registration of pest management products.
- Recent crop group revisions have resulted in a more efficient registration process.
- Remember to always read and follow the pesticide label.
- Please help IR-4 continue to assist specialty crop growers by letting IR-4 know your pest management needs.

THANK YOU

