What’s New?
Established in 1963 by USDA to facilitate the registration of pest management technology on specialty crops/uses.
IR-4 Project Objectives

- Food Crop Program
  - Environmental Horticulture Program
- Biopesticide Regulatory Support
- Integrated Solutions
- Public Health Pesticides
It Starts with the Pests!
Sustained Success

• Over 18,500 food uses registered for specialty crops and minor uses since 1963
• Expansion of crop groupings (US/Canada & Codex)
• Nearly 2500 new uses approved in last 36 months, accomplished under challenging regulatory conditions
Registrations are plentiful but ability to use approved pest management products can be limited:

- Export issues
- Efficacy data needs
- Pest resistance
- Government use restrictions
- Public acceptance
Recent Success

• 2017 – EPA approved 65 tolerances that supports 534 new uses
• 2018 - Already exceeded 2017 levels, > 550 potential new use registrations
• EPA published “Notice of Filing “ in July- Approval of these tolerance will exceed 1000 new uses
International

• WTO Recognition
• Crop Groups
• Harmonized MRLs
• GMUS-3
• Expanded Cooperative Work
  o Phase 2 of capacity building
  o Potential bilateral research with Canada, Australia, Costa Rica, Colombia, Brazil
• 68 residue studies in 2018
  – The number of studies continues to drop
  – Studies more complex, more data needed
  – More “competition” to do product performance work
  – Flat resources and higher expenses

• Similar to slightly less work planned in 2019
Reorganization 2018

Biopesticide Research will be consolidated into Food and Environmental Hort Programs

• Minimal impact on Environmental Hort Program
• Impacts Food Product Performance activities
  – Specific projects
  – Integrated Solutions (formally PPWS & majority of Biopesticide Projects)
• 2019 will be transition year, some traditional biopesticide projects, some Integrated Solutions
Integrated Solutions

Integration of biopesticide and/or chemical products into conventional ag to assist with mitigation of pesticide residues, management of pest resistance to pesticides as well as identifying solutions to important pests.

- Residue mitigation will extend PHI to reduce residues to support trade or risk concerns.
- Replacement products will be screened to manage key pests
- Five projects in 2019
Process Improvements

- Various steps to eliminate backlog and achieve timelines
- Focus data development on what is necessary vs. what is nice
- Closer integration of Product Performance research with pesticides and biopesticides
- 2019 Week of Workshops
- Online Priority Setting Tool
New People/New Roles

HQ
• Thomas Pike
• New Study Director

Regions Field Coordinators
• Michael Horak (Western Region)
• Janine Spies (Southern Region)
• Anthony VanWoerkom (NC Region)

EPA – Nancy Fitz (MUTL)
Funding

• IR-4 funding less today than in 2010; expenses continue to rise ➔ less research
• Continued pressure to pay indirect costs
• In 2019, Commodity Groups/stakeholders stepped up their game
• At the end of the process ➔ another year of flat funding
• Newest issue, problem with TASC Funds
• **Growers**
  – Legal access to safe & effective pest management technology......grow high quality crops

• **Food Processors & Food Retailers**
  – Consistent supply of raw materials

• **Economy**
  – *IR-4 contributes $9.4 Billion to annual US GDP/supports >95,200 jobs*

• **Public**
  – Plentiful supply of specialty crops that contribute to a healthy diet & plants that enhance the environment.