



2017 Food Workshop

Update

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The IR-4 Project



IR-4 Mission

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



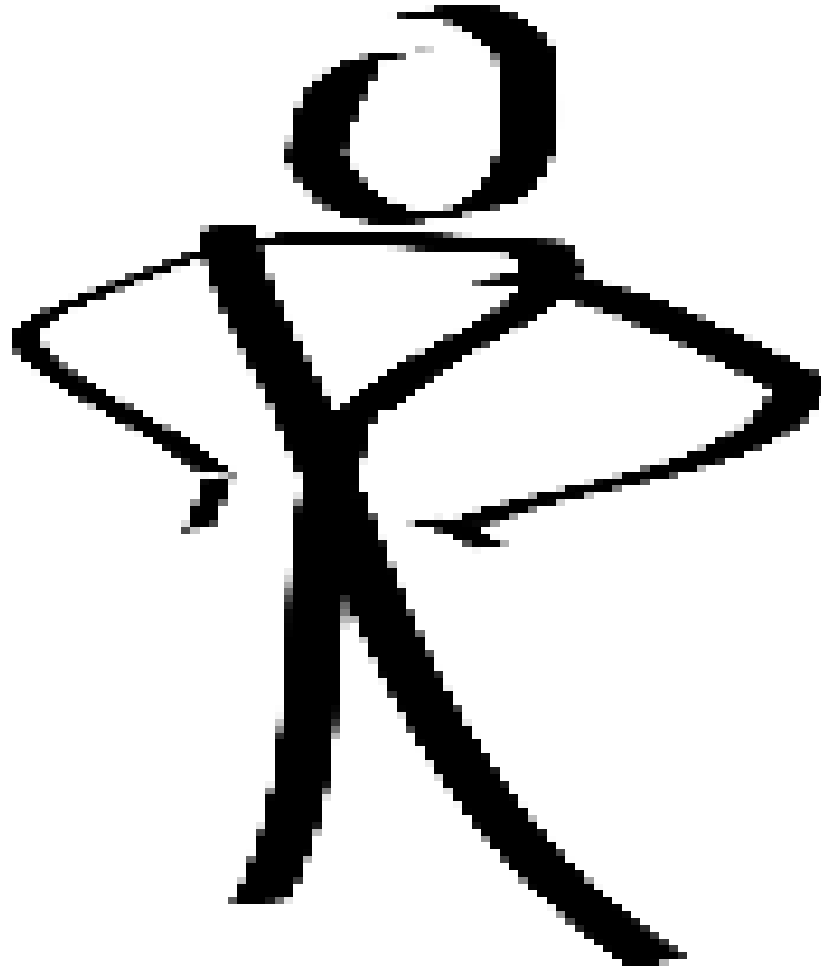
The Good







People Update



Changes

Retirements

Paul Schwartz

Becky Sisco

Satoru Miyazaki

Ray Leonard

Diane D'Angelo

Wlodak (SR Lab
Coordinator)

More to come!

Replacements

Alvin Simmons

Michael Koras

TBD

Posted Soon

TBD

TBD



IR-4 Project Objectives

- Food Crop Program
 - ✓ Residue Studies
 - ✓ Product Performance
 - ✓ International Harmonization of Pesticide Registrations/Regulations
 - ✓ Crop Grouping



IR-4 Project Objectives

- Food Crop Program
- Biopesticide & Organic Support
 - ✓ Regulatory Support
 - ✓ Product Performance/Proof of Concept
 - ✓ Residue Studies
 - ✓ Residue Mitigation



IR-4 Project Objectives

- Food Crop Program
- Biopesticide & Organic Support
- Ornamental Horticulture Program
 - ✓ Product Performance Data
 - ✓ Invasive Species
 - ✓ Pollinator Protection



IR-4 Project Objectives

- Food Crop Program
- Biopesticide & Organic Support
- Ornamental Horticulture Program
- **Public Health Pesticides**



Food Program Success

- Over **18,362** uses registered for specialty crops and minor uses since 1963
- Expansion of crop groupings (US/Canada & Codex)
- Nearly **2500** new uses approved in last 30 months, accomplished under challenging regulatory conditions

Biopesticide Success

- BT/All Crops
- Codling Moth Granulosis Virus
- Papaya Ring Spot Resistant Varieties
- Mite Management with honeybees
- AF-36 (Aflatoxins)
- Spinosad/All Crops-organic

Challenges Update

- Product Performance Data

Challenges/Threats

Product Performance Data (PPD) Development

- IR-4 being asked to develop more PPD – why?
 - Higher “bar”/California registration
 - Liability
 - Lack of research scientists
- More \$ for PPD (from IR-4 & Industry)
- PPD Team
 - Appropriate focus
 - Process improvements
 - Integration of biopesticides and conventional for R² approach

Challenges Update

- Product Performance Data
- **Global Harmonization**

International Activities

- NAFTA
- Support Existing Tolerances
- Leadership
 - CCPR Crop Groups
 - GMUS
- Capacity building
- Research
 - Global residue studies

Challenges Update

- Product Performance Data
- Global Harmonization
- **University Service Fees**

Challenges/Threats

University Service Fees (indirect costs/overhead)

- IR-4's Federal authorizing language does not allow universities to charge overhead
- Universities under intense fiscal challenges; some can no longer absorb these costs
 - Cornell ended IR-4 involvement
 - Others (e.g. Univ. of FL, UCD) to follow?
- USDA believes they can modify agreement, allow Universities to collect 10% overhead
- Without new funds – A Devastating Outcome

Challenges Update

- Product Performance Data
- Global Harmonization
- University Service Fees
- **EPA Regulatory Actions**

Government Policy

IR-4 & Specialty Crop Community are significantly concerned b/c:

- FQPA fears coming true – wholesale cancellations of chemical classes (OP's)
- Reliance on non-core studies, such as epidemiology studies
- Use of conservative models that overestimate risk
- Latest challenge - funding cuts at EPA; threaten specialty crops more than major crops



Challenges Update

- Product Performance Data
- Global Harmonization
- University Service Fees
- EPA Regulatory Actions
- **Consolidation within the Crop Protection Industry**

Mergers

- $1 + 1 < 2$
- Paralysis by Analysis
- Higher economic bar for new uses
- Less investment in new technology
- Opportunities for smaller companies & emerging technology

Challenges Update

- Product Performance Data
- Global Harmonization
- University Service Fees
- EPA Regulatory Actions
- Consolidation within the Crop Protection Industry
- **US Government Funding**



2017 Funding

<u>GROUP</u>	<u>AMOUNT</u>	<u>PROGRAM(S) SUPPORTED</u>
NRSP-4	\$ 481,182	Food, Ornamental, Biopesticide
USDA-NIFA	\$11,916 000	Food, Ornamental, Biopesticide
USDA-ARS	\$ 3,570,000	Food & Ornamental
USDA-ARS/DoD	\$ 225,000	Public Health
USDA-FAS/STDF	\$ 850,000	Food (International)
Grants from Industry	<u>\$ 1,20,000</u>	All
TOTAL	\$18,242,182*	

*Does not include in-kind contributions that are provided by Rutgers (\$216K) State Agricultural Experiments Stations (\$2,9 M), Canada (\$450 K), EPA (\$7.6 M), growers and the crop protection industry (\$5.5 M). In-kind contribution valued at over \$16.755 million annually

2018 Funding Challenges

Presidents Funding Proposal

- NIFA-Static Funding
- ARS-\$137 million cuts in plant protection -
Eliminate ALL Programs that cooperate with IR-4

Congress

- NIFA-Static funding (9 years at same level)
- ARS-\$39 million reduction in plant protection -
Uncertainty where cuts will occur

IR-4 Strategy

- Process “Upgrades” on but funding is projects is
contingent of final federal funding (Dec. 2017?)

Modern Minor Use Problem

Registrations are plentiful but ability to use approved pest management products can be limited:

- Export issues
- Efficacy data needs
- Pest resistance
- Use restrictions
- Public acceptance



Need for IR-4 Continues to Increase

- EPA regulatory requirements are increasing while industry consolidates → more minor uses with higher development costs
- Specialty crop community needs access to international markets → increased size & complexity of IR-4 studies
- The crop protection industry is requiring more robust crop safety and product performance testing on specialty crops → increased IR-4 research costs

Commodity Liaison Committee

New and expanding membership

- Twelve new members in the last 3 years
 - Mike Bledsoe, Chair
 - Todd Scholz, Vice Chair
- A new sense of organized “activism”
- Congressional Liaison Sub-Committee:
Lori Berger, Allen Mize, Laura Phelps, Keith Pitts,
Steve Salisbury, Bob Simerly, Dennis Tristao.
- Appropriation process vs. Farm Bill

THANK YOU!

