

The State of Affairs of the IR-4 Project's



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Food Crop Program

- **Initial objective, remains “Signature” objective**
- **Mostly Guideline Magnitude of Residue studies**
- **Targeted Product Performance**
- **Crop Grouping Expansion**
- **Harmonization of MRLs and international activities**
- **NEW-Integrated Solutions**



Food Program Success

Trifluralin/Rosemary

Mandipropamid/Many -

Bentazon/Pea

Clofentezine/Guava

Sulfoxaflor/119 uses

Pydiflumetofen/32 uses

Nitrapyrin/128 uses

Abamectin/

S-Metolachlor/Many

Flonicamid/Sunflower group -

Fluensulfone/root vegs

Penthiopyrad/Caneberries

Bushberries

Propiconazole/30 uses

Emamectin benzoate/122 uses

Buprofezin/158 uses



Food Program Research

Residue

- **73 studies**
- **436 field trials**
 - **ARS 51**
 - **NE 38**
 - **NC 38**
 - **WR 183**
 - **SR 97**
 - **Canada 29**

Performance

- 44 studies**
- 95 field trials**

Integrated Solutions

- 5 studies**
- 16 sites**
- one early success**

Crop Grouping

- **IR-4 submissions to EPA completed**
- **EPA fallen behind in processing submissions**
- **Log jam finally broken**
 - Herb and Spice proposal
- **Codex mostly complete**

International

- **Continue to work closely with Canada**
- **US/Canada cooperation is model**
- **Capacity building success**
- **Minor Use Foundation**

Changes in Biopesticide World

- Many new effective products with registrations
- Products have fit into conventional agriculture systems
- Big companies are established in biopesticide market
- Consumer demand for green products for home and garden
- Biostimulants





IR-4's Role in the "NEW" Biopesticide World

Biopesticide research will be moved into existing Food and Environmental Horticulture Programs

- No significant changes in Environmental Horticulture Program
- For Food Program → "Integrated Solutions" initiative; coupling biopesticides with conventional products in research
 - Pest Problems Without Solutions, Resistance Management Projects & Residue Mitigation Priorities
- IR-4 will maintain Biopesticide Regulatory Support
- IR-4 will set aside some funds for research to assist organic farmers
- New funds to expand research?

Environmental Hort.

- Predominantly crop safety testing and efficacy, including invasive pests allowing industry to expand registrations (Open Labels)
- Pollinator Protection



2018 Accomplishments-EH

- Success-5 registration decisions impacting 2574 uses
- Submissions-21 data summaries compiled and transmitted
- Research-628 trials
- SCRI Pollinator protection
 - Residue work
 - Alternative treatment options
 - Consumer choice

Process Improvements

- Various steps to eliminate laboratory analytical analysis backlog & achieve timelines
- Integration of Product Performance research with modern chemical and bio-based pesticides → **Integrated Solutions**
- 2019 Week of Workshops

Funding

- **IR-4 funding less today than in 2010;**
Expenses ↑: **Research** ↓
- **CLC stepped up their game; “19 in 19”**
- **At the end of the process; another year of flat funding → Operation 20 in 20**
- **Eliminated in President’s FY 2020 proposal. House of Representatives → small increase, Senate → FY 2010 levels**

Additional Challenges

- **University Service Fees**
 - **Cornell**
 - **Rutgers → “The Move”**
- **Convert to SCA in FY 2021 → 10% IDC**
- **NIFA’s Strategic Realignment**

“The Move”



Reality of “The Move”

- **A relocation of this magnitude is disruptive**
- **IR-4 must remain operational during move**
 - **Challenge to keep current team**
 - Retirements
 - Personal Situations/Decisions
 - **Develop shadow organization**
 - **Long transition period to minimize disruption**
- **Robust specialty crop base in NC**
- **Strong institutional support**
- **Hub of the crop protection industry**

Benefits

- 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.

THANK YOU!

