



IR-4's 2020 Update





IR-4 Thanks our Workshop Sponsors



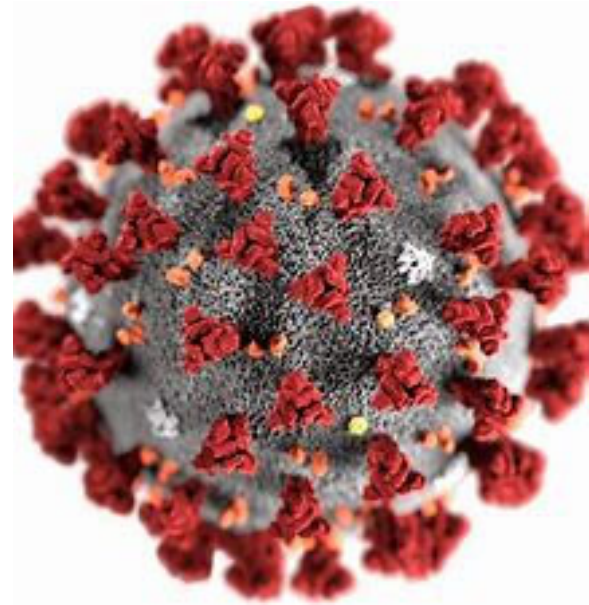
Topics

- COVID-19
- Area Highlights
 - Food Crop Residue & Product Performance Program
 - Integrated Solutions
 - International/Minor Use Foundation
 - Environmental Horticulture
- The “Move”
- People Update
- Fiscal Update
- Workshop
- Acknowledgements

Please email questions to jjbaron@ncsu.edu

COVID-19

- Huge impacts in day-to-day activities
- All IR-4 team members who became infected have recovered
- Field Research-minimum impact
- Lab Research-various responses
- QA-OK with some expectations
- Regions/HQ-Getting work done
- Partners-Also getting work done
- Workshops
 - Now
 - Future



2019 Food Crop Program Success

Registrations by the numbers:

- 1,545 new uses
- 208 tolerances established
- 21,358 clearances in 56 years



Food Crop Program -Tracking 2020*

| | |
|-------------------------|-----|
| New residue studies | 65 |
| Field Trials: | |
| Residue | 448 |
| Performance | 100 |
| IR-4 submissions to EPA | 12 |
| EPA FR Publications | 16 |
| Potential Registrations | 671 |

*mid-year reporting, July 2020

Integrated Solutions Program

- Established in 2018
- Draws from stakeholder requests for biopesticide, organic or conventional solutions, or screening to identify candidate solutions
- Emphasizes integration of biopesticides into conventional systems to promote:
 - Resistance management
 - Residue management
- Utilizes all types of solutions to create programs that address pest management voids, including for organic agriculture
- Mainly efficacy research, but also some residue studies



2019 IS Prioritized Projects

| IS Number | Ranking | Title | Funding |
|-----------|---------|---|---------------------|
| IS00094 | 1 | Bacterial diseases / onion | \$20,000 |
| IS00330 | 2 | Orobanche parasitic weeds / processing tomato * | \$21,000 |
| IS00327 | 3 | Cucumber beetle / watermelon * | \$36,000 |
| IS00027 | 4 | Wireworms / sweet potato* | \$30,000 |
| IS00113 | 5 | <i>Verticillium</i> wilt / eggplant* | \$21,000 |
| IS00156 | 6 | Tuber decay / yam | products registered |
| IS00308 | 7 | Damping-off / hemp* | Funded by industry |
| B00124 | NA | Downy mildew / Organic basil * | \$37,500 |

* Will repeat in 2020

2020 New IS Prioritized Projects

| IS Number | Title | Funding | # of trials |
|-----------|--|-------------------|-------------|
| IS00348 | Bacterial diseases / postharvest organic sweet potato | \$10,500 | 2 |
| IS00328 | Weeds / Brassica leafy vegetables | \$15,000 | 4 |
| IS00368 | Fire Blight (<i>Erwinia amylovera</i>) / apple, pear | \$15,000 | 3 |
| IS00367 | Vine Mealybug, (<i>Planococcus ficus</i>) / grapes | State of CA grant | 2 |
| IS00372 | Corn earworm larvae / sweet corn | \$35,000 | 2 |
| IS00357 | Lepidoptera / hemp | \$12,500 | 4 |
| IS00380 | Bitter Rot (<i>Colletotrichum</i> spp) / apple | \$12,000 | 3 |
| IS00381 | Cabbage maggot / root crops | \$10,000 | 1 |
| IS00374 | <i>Fusarium</i> crown rot / tomato | State of CA grant | 2 |

International Activities

- IR-4 involvement continues to address:
 - Lack of harmonized tolerances
 - Prevents U.S. exports
 - Efficiencies by working internationally
 - “Hazard vs. Risk” War



Canada's Pest Management Centre

- IR-4 strongest research partner
 - Shirley Archambault retired, replaced by Christine Gagnon
 - Continue to have numerous joint projects
 - COVID-19 challenges



EU Minor Use Coordination Facility

- Substantial funding deficit
- Coordinator (Jeroen Meeussen) and Technical Experts have separated from EU MUCF
- Future???
- All this while more and more pesticide uses and MRLs are removed from EU market





Minor Use Foundation

The Minor Use Foundation will:

- Establish a collaborative international approach to address MRL needs for specialty crops and minor uses
- Implement priorities resulting from the Global Minor Use Workshops.
- Provide funding for research to other qualifying organizations.
- Fund research program to obtain harmonized MRLs
- Coordinate activities with organizations that work throughout the world
- Seek and obtain funding from Governments, Foundations, other non-profits, and Industry to support research

The Minor Use Foundation, Inc

- 501(C)(3) non-profit
- Board Chairman, Dirk Drost
- Board Members: Alan Norden; Michael Braverman and Jason Sandhal, USDA-FAS



Global Minor Use Workshop

| | |
|--------------------------|--|
| 8-8:30 AM | Introduction and Process |
| | <ul style="list-style-type: none"> •Introduction to the 3rd Global Minor Use Priority Setting Workshop Dirk Drost, Minor Use Foundation, Inc. – 5 min •Priorities from the 1st and 2nd Global Minor Use Priority Setting Workshop and progress to date Dan Kunkel – 10 min •Global minor use priority phases, guidelines and process for the 3rd Workshop Michael Braverman and Jim Chaput – 15 min |
| 8:30-11:35 AM | Review of Merit Analysis |
| | Greenhouse Crops Merit Analysis Discussion Leader – Jim Chaput |
| | Health Break |
| | Temperate Crops Merit Analysis Discussion Leader – John Wise |
| 10:35-11:35 | Tropical Crops Merit Analysis Discussion Leader – Adriana Castaneda |
| | Discussion and Refinement of Priorities Discussion Leader – Dan Kunkel |
| 11:50 AM-12:00 PM | Summary – Jerry Baron |



Environmental Horticulture

- Predominantly crop safety testing and efficacy, including invasive pests allowing industry to expand registrations (Open Labels)
 - Conduct approx. 675 field trials. Results compiled into 20 summary reports submitted to industry
- SCRI Pollinator Protection Grant



The "Move"



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
 - Two year transition period to minimize disruption
- Robust specialty crop base in NC
- Strong institutional support
- Hub of the crop protection industry

People Update

- Retirements
- New Hires



Fiscal Update

Issues:

- Decade of flat funding @ \$12 million
- Pressure to pay university service fees (indirect costs, RCM)

Impact:

- Fund fewer studies

Strategy:

- Commodity Liaison Committee steps up advocacy
- Relocate HQ
- New funding optimism:
 - President's 2021 Budget- \$17 million
 - House Ag. Appropriation Bill - \$15 million

2020 Workshop Changes

New Technology Session (early August)

- Several products-first specialty crop announcement
- Led to upsurge in new requests

Priority Setting Sessions

- Try to duplicate in-person experience as best as possible in a virtual format
- Attendance is up.....big time!
- Some help from our friends.....Fountainworks
- Outcome goals
 - 40 “A” Residue Studies
 - 8 “H+ Product Performance Projects
 - 8 Integrated Solutions Priorities

Process and Rules

Please adhere to the following processes:

- Camera off to conserve bandwidth
- If you want to speak, type “Q” into chat box-You will be recognized by Fountainworks team.
- Everyone will have the opportunity to speak-Be mindful of the time when given the floor
- Listen openly, be respectful of others’ opinions
- Genuine questions and comments only

Acknowledgement

THANK YOU!

- Warren, Maddie and others from Fountainworks,
- IR-4's partners, including EPA, Companies and Commodity Liaison Committee and others in the specialty crop/minor use community,
- IR-4 Regional Field Coordinators and their teams,
- IR-4 HQ team in New Jersey and North Carolina,
- Workshop Sponsors,
- The Planning Committee,
- and YOU



IR-4 Thanks our Workshop Sponsors

