



NRSP-4/IR-4 Update

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Does NRSP-4 = IR-4?

- In part yes
 - IR-4 stands for Interregional Research Project Number Four
 - First funding in 1963, significantly supplemented by Special Research Grant in 1976
 - “IR” Projects rebranded in early 1990’s, transitioned to NRSPs

What is IR-4?

IR-4 stands for Interregional Research Project Number Four

- National research program that develops data required by US EPA to register crop protection products on specialty crops & minor uses
- Why is IR-4 needed?



THANK YOU!

- You lead organizations that
 - Fund NRSP-4
 - Serve as host for numerous IR-4 field and lab studies as well as program leadership
 - Provide guidance

IR-4 is more than NRSP-4

- Congressionally appropriated funds
- USDA-ARS contributions
- USDA-FAS funding for international activities
- Direct partnerships with participating LGU
(NC State/UF/UMES/MSU/UCD,etc)
- Industry (Growers and Crop Protection) donations
- US EPA

Value of IR-4 is huge

- Critical to production of high quality products
- Reduce Food Waste
- Give consumers great food choices at reasonable cost
- Enhance rural economies
- 2022 Economic Impact Study
 - IR-4 contribute \$8.97 billion to annual GDP
 - 7 jobs for every \$1,000 in annual public investment

LG System OWNS these deliverables



IR-4 is technology neutral

Give organic and conventional farmers the Crop Protection Products and let them decide which ones to use:

- Latest generation chemical pesticides
- **Biopesticides**
- **Biotechnology**
- **Next Gen - Emerging technologies**

Game changing challenges

- Endangered Species Act mitigations
- New registration standards
- Resistance of pests
- Europe regulations & trade
- Public opinion

IR-4 Transition

IR-4 has a huge role in overcoming all the above with leadership in data development and supporting safe new technology for specialty crops

Specifics

- Integrated Solutions Platform
 - Residue mitigation
 - Resistance management
 - Finding that “Needle in Haystack”
- Regulatory support of public sector discoveries/developments

NRSP-4 Funding

- Again.....THANK You!
- Currently \$481,182; Mid-term review proposed 15% reduction or \$75,000
- Can IR-4 absorb this reduction →YES
- Does this reduction have impacts →YES

Deep Dive Facts

- In FY 21 & 22 Congressional funding for IR-4 increased by approx. \$3 million
- Indirect costs allowed in FY 21 (first time)
 - Over 50% of new funds to IDC
- Over 10 year period, annual new studies started dropped from approx 75 to 50

Worth repeating....

Game Changing Challenges

- Endangered Species Act mitigations
- New registration standards
- Resistance of pests
- Europe regulations & trade
- Public opinion

IR-4's Future Efforts



Chemical pesticides



Biopesticides



Biotechnology



Next Gen - Emerging technologies



***NOT YOUR GRANDFATHER'S
IR-4***

Counterproposal

1. Rethink proposal to cut NRSP-4 funds by \$75,000 in the next grant cycle
2. Entertain opportunity to increase NRSP-4 funding by \$95,000 over current level

Dedicate \$170,000 to provide consultant services for regulatory advice with crop protection technologies developed by the public sector scientists

Thank You!

