The IR-4 Project

What’s New

Dr. Jerry Baron
Executive Director
IR-4 Project
Minor Use Problem
Why US Govt Funds IR-4?

Safe and plentiful food supply
The Partnership

IR-4

USDA ARS

USDA NIFA

Commodity Producers

Food Processors

EPA

LAND GRANT UNIV.

CROP PROTECTION INDUSTRY

Consumers
Evolution of IR-4

1963
- Food Program

1970 and 80’s
- Ornamentals
- Regional Offices
- ARS program
- Biopesticides

1990 – 2008
- FIFRA 88
- Reduced risk
- Crop group updates

2009 - current
- International Maximum Residue Levels (MRLs) to support US exports
- Invasive pests
- Organic Agriculture
- Plant Incorporated Protectants (PIPs)
- Public Health Pests
IR-4 has facilitated the registration of > 27,000 crop uses.
IR-4 Project Mission

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

• Available Technology
  – Efficacy Data
  – Freedom to operate
  – Public acceptance of new technology

• Increased Globalization of Markets
  – US growers cannot use products unless MRLs are established by importing country

• Other
  – Invasive Pests
  – Personnel – retirements
  – Funding (including Indirect Costs)
Vision 2020

Plant Health Objectives

– Food Crops
  • Residue Studies
  • MRL Harmonization
  • Crop Grouping
  • Efficacy & Crop Safety
– Ornamentals/Environmental Horticulture
– Biopesticides/Organics
Sponsored Programs

- Grower Funded Research
- Invasive Species Management
- International Capacity Building
- Import Tolerances for US based food processors
- Pollinator Protection
- ECT.
Vision 2020

Other points

• Improving Efficiencies
• Empowering State Liaison Representatives
• Reinvestment in Infrastructure
• Development
• Land-Grant University Partnership
### 2014 Funding

<table>
<thead>
<tr>
<th>GROUP</th>
<th>AMOUNT</th>
<th>PROGRAM(S) SUPPORTED</th>
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<tbody>
<tr>
<td>USDA-NIFA</td>
<td>$11,916,000</td>
<td>Food, Ornamental, &amp; Biopesticide</td>
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<tr>
<td>USDA-ARS</td>
<td>$3,570,000</td>
<td>Food &amp; Ornamental</td>
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<td>USDA-ARS/DoD</td>
<td>$252,000</td>
<td>Public Health</td>
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<tr>
<td>USDA-FAS/STDF</td>
<td>$350,000</td>
<td>Food (International)</td>
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<tr>
<td>USDA-APHIS</td>
<td>$900,000</td>
<td>Ornamental (Invasive pests)</td>
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<tr>
<td>NRSP-4</td>
<td>$481,156</td>
<td>Food, Ornamental &amp; Biopesticide</td>
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<tr>
<td>Grants from Industry</td>
<td>$1,100,000</td>
<td>All</td>
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<tr>
<td>TOTAL</td>
<td>$18,569,156</td>
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*Does not include in-kind contributions that are provided by State Agricultural Experiments Stations, Canada, EPA, growers and the crop protection industry. In-kind contribution valued at over $18 million annually.
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<thead>
<tr>
<th>Core Activities</th>
<th>2014</th>
<th>Future</th>
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<tbody>
<tr>
<td>USDA-NIFA</td>
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<tr>
<td>USDA-ARS</td>
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<tr>
<td>NRSP-4 (LGU)</td>
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<tr>
<td>Private</td>
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<tr>
<td>Public Health</td>
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<tr>
<td>International</td>
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<td>Invasive Pests</td>
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IR-4 Remains Committed to Directly Answer the Pest Management Needs of Northeast Region Specialty Crop Growers
Who Benefits from IR-4

- Growers of specialty crops/specialty uses - Have tools to protect crops
- Food Processors/Food Industry - Keep supply chain open
- Society - Consistent supply of affordable and SAFE fruits & vegetables, ornamentals to enhance environment,
  - IR-4 adds $7.2 BILLION/annually to the gross domestic product & support >104,000 jobs