State of The IR-4 Project

IR-4 Update
October, 2009

Jerry Baron
Executive Director
The IR-4 Project
What have we been doing?

- Mini-Ornamental Review-May 2008
- Economic Assessment of Ornamental Program-November 2008
- Strategic Planning Conference-December 2008
- USDA-Peer Review Panel-May 2009
- IR-4 Business Plan-October 2009
- USDA Project Renewal Document-November 2009
- Sleep-December 2009
What else?

• Provide Deliverables for Specialty Crop Growers
Food Program Deliverables

*The ability to add a chemical/crop to label
Data Summaries

The IR-4 Project

Providing Safe and Effective Pest Management Solutions for Specialty Crop Growers

Year

Number of Summaries

Canadian Registration Support

Other Projects

High Priority Projects

Contributing Trials

Number of Trials

0 500 1000 1500 2000 2500

2005 2006 2007 2008
Crops Impacted by Registrations
Ornamental Program Review

• 9 panel members representing key stakeholders and the PMC
• Day-long meeting to answer several questions
• Outcomes:
  – Program should continue
  – Tactical improvements suggested
  – Strategic initiatives outlines
Significant Changes in Program

- Ornamental Horticulture Program Manager is full time employee based at Headquarters Location
- Dedicated Funding for Orn Hort Program
- Priority Setting Process
  - Survey for direct grower input
  - Guidelines for A, B, C priorities
  - Focus Workshop discussion on issues, not specific product/target combination, to set high priority projects
  - Biennial Workshops with interim meetings hosted at other venues
- Coordinated approach to implementing research program
- Research Summaries
- Revamped Database to capture research activities instead of only project requests
- Revamped Website
- Improved Relations with Stakeholders
Strategic Initiatives

- Coordination and leadership for invasive species impacting ornamental horticulture
- Develop and test resistance management programs
- Impact of management tools on beneficial organisms
- Cultivate new products with reduced environmental footprint
Tactical Improvements

- Outreach Activities
- Workshop Modifications
Economic Impact of Orn Prog

• Steven R. Miller and Adbullahi Abdulkadri (Center for Economic Analysis, Michigan State University)

• Direct Program Expenditure = $2.6 million
  – $1.14 million of research funds (ARS, CSREES, Industry)
  – $0.3 million for salaries, travel, supplies, etc
  – $1.14 million of in-kind contributions

• Direct and Indirect Impact on Annual GDP = $1.2 billion
  – A return on investment of over 900x
New Mission Statement:

To Facilitate Registration of Sustainable Pest Management Technology for Specialty Crops and Minor Uses
Enhanced Ornamental Program

• Expand on efficacy and phytotoxicity data development
  – Respond rapidly to needs
  – Expand to investigate invasive pests
  – Characterize resistance management issues and impact on beneficial organisms
Opportunities/Challenges

• Current Program: Address More Issues Faster
  – Program Outreach: Regional presentations, Grower Focus Groups
  – Lack of consistency among regions
  – Financial: Available researchers not balanced with industry geography
  – Financial: Funding cycle not aligned with research cycle

• Invasive Species
  – New proposal driven program? Part of current priority setting process?
  – How to provide timely funding when invasive species can occur any time of the year

• Exploratory Research into Strategic Directives
  – Resistance Management Programs
  – Impact on Beneficial Organisms

• Personnel Resources
Enhanced Food Program

• Comparative Product Performance
  – Priority Pest Management Voids
  – Invasive Pests

• Facilitating Grower Use – Registration, not clearances, becomes success matrix
  – Support domestic registrations
  – Assist with removing pesticides as trade barrier
Biopesticide and Organic Support Program

- Registration support and grants program for efficacy data
- Focus work with integration of biopesticide into conventional systems
- Support for organic markets
- Plant incorporated protectants
IR-4 International Activities
Global Harmonization of MRLs

This is a critical issue to many commodity groups
IR-4 Global Leadership

Harmonization of Crop Groups
Global Minor Use Summit
Submit data to establish MRL’s
Global Residue Study/Zoning
Assist fledging Minor Use Programs
GLOBAL RESIDUE STUDY
Cooperative Program

Pesticides for Management of Medically Important Arthropods

• ARS Registration support by HQ for their new technology as well as assisting industry

• New Hire – Dr. Karl Malamud-Roam

• Residue Program w/Ethofenprox, remove agriculture restriction
## Funding

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<tr>
<th>Source</th>
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<td>USDA-CSREES</td>
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<td>Grants from Industry</td>
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**Indirect Contributions = Direct Dollars**
Thank You!