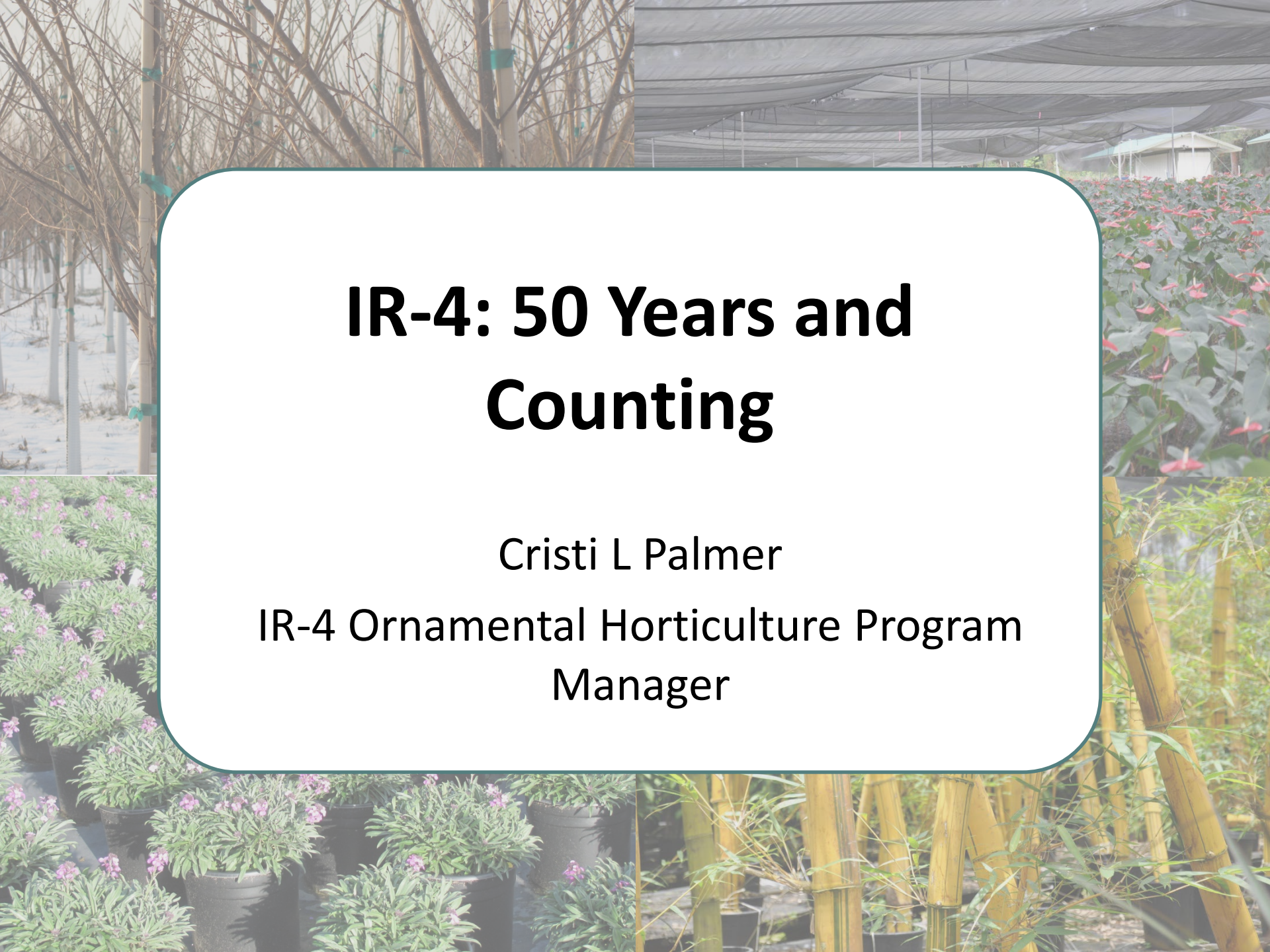


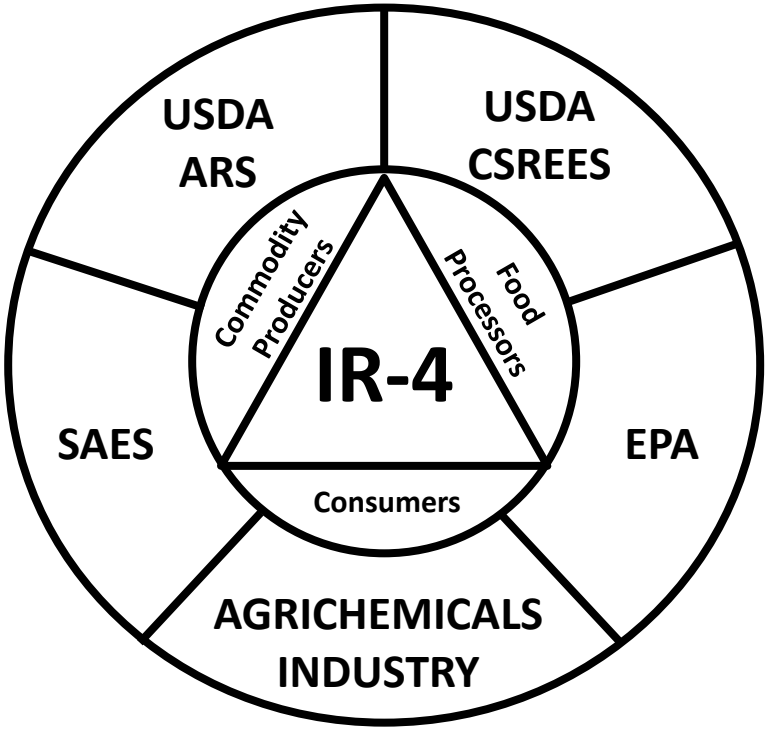
IR-4: 50 Years and Counting

Cristi L Palmer

IR-4 Ornamental Horticulture Program Manager

IR-4 Celebrates 50 Years

1963: The IR-4 Project was initiated



Late 1960's to Early 1970's

1977: The Ornamentals Program

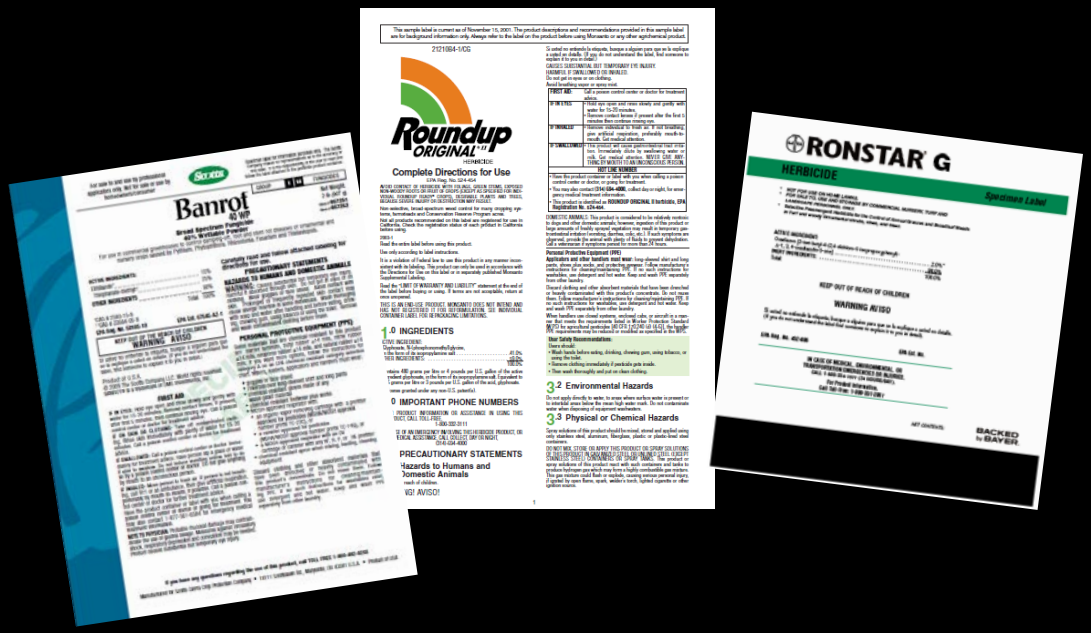
- First Workshop April 1977 in St. Louis, MO
- 10,000 Needs condensed into 5621 Project Requests
- Second Workshop in December 1977 in Dallas, TX to prioritize requests
- Data sent from all over the US

Median Household Income: $13,572

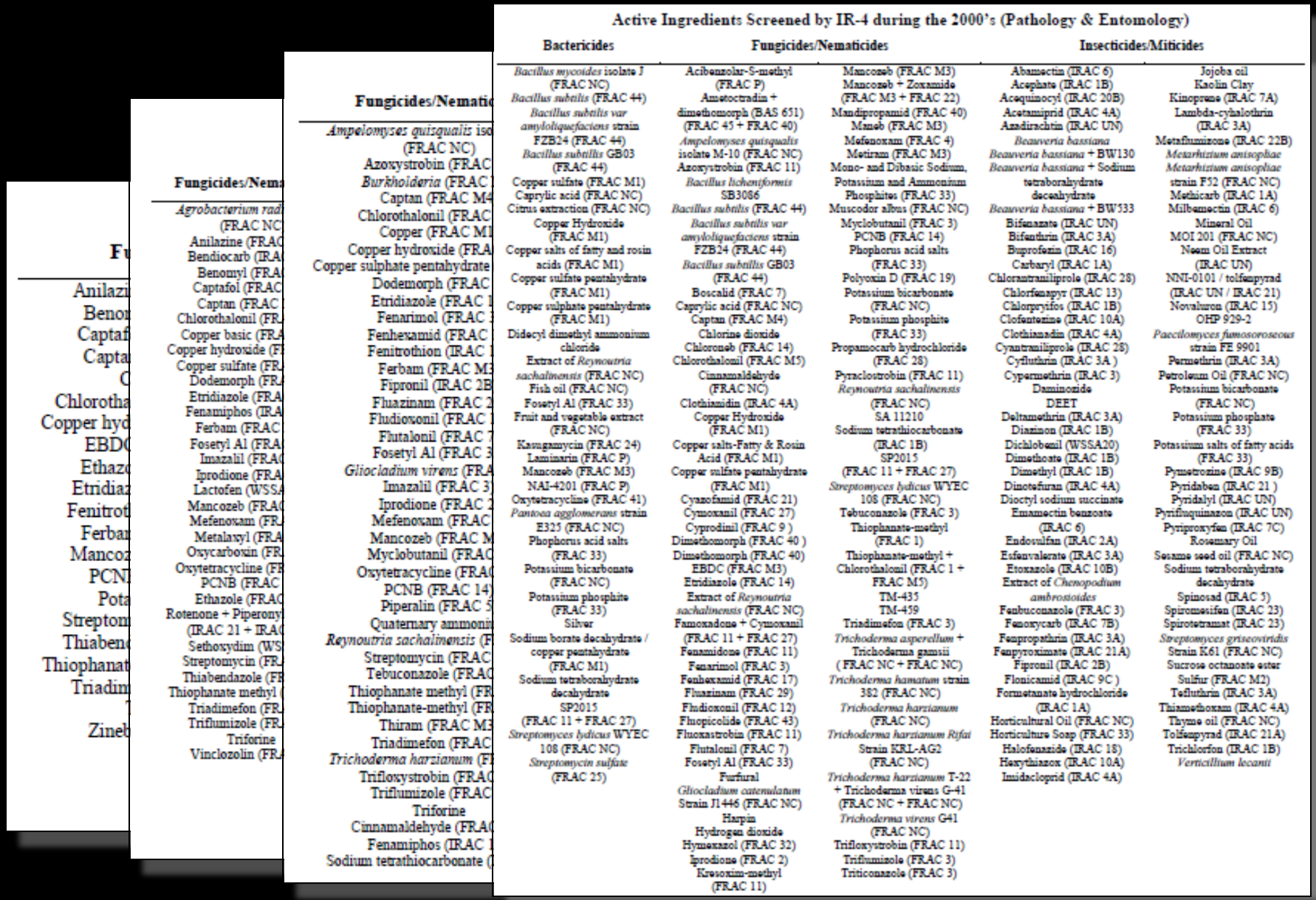
1977

1978: First Registrations

- New uses for Banrot, glyphosate and Ronstar were registered by EPA



1978



Products Screened

2007-2013 Registrations

The IR-4 Project

50th ANNIVERSARY-2013

22,000+ Crop Uses

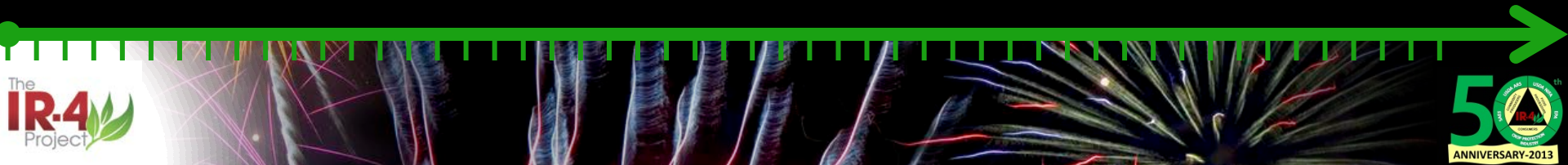
23,245 Studies

101+ Registered Products

60 – 70 researchers every year

30,250 Completed Trials

50% of archived records validated



IR-4 contributes more than **$7.2 billion** to GDP and supports **104,650 jobs**.

-- The Center for Economic Analysis at MSU, 2011

Invasive Species

- Cuban Laurel Thrips
- Euonymus Scale
- Madeira Mealybug
- Citrus Mealybug
- Oriental Beetle
- Japanese Beetle
- Asian Ambrosia Beetle
- Ramorum Blight

Invasive Species

- Q Biotype Whitefly
- Gladiolus Rust
- Chili Thrips
- Chrysanthemum White Rust
- Shipping of Invasive Arthropods
- Boxwood Blight
- Impatiens Downy Mildew
- Spotted Winged Drosophila
- Brown Marmorated Stink Bug

Budget Challenges

"For the past eight years, this Cooperative State Research Service special research grant program of pesticide clearance has greatly assisted in obtaining more prompt pesticide registrations for nursery crops when such pesticides are already registered for use on food or feed crops. Cancellation of the IR-4 Program, which costs approximately $1.4 million per year, will make it necessary for nurserymen and florists to wait six to ten years for needed pesticide registrations – if they are granted at all.

We strongly urge the Congress to provide the necessary $1.2 million to maintain the IR-4 pesticide clearance program. We also request $2 million for the National Agriculture Pesticide Impact Assessment program. This request is made with the understanding that a fair share of the funding is used for 'ornamental' pesticide uses."

-- Congressional testimony of American Nurserymen's Association

What has made IR-4 so successful?


Product
Placement

IR-4 Mission

Facilitate registration of sustainable pest management technology for specialty crops and minor uses

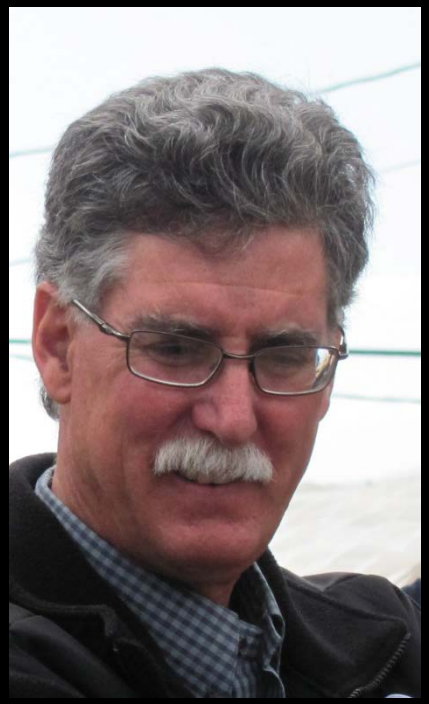

Passion

People


EOS 7D


THE NORTH FACE
SPONSOR
EXHIBITOR
ARNOLD
Canon

The Founding Fathers



Over the years I know that IR-4 has been very important and instrumental in helping bring some of the minor use crop materials forward for our operations. ***Sometimes the work goes unrecognized because it happens behind the scenes without much fanfare.*** *I view the IR-4 program as critically important especially to those of us in the "super specialty crop" area of agriculture because it is often times difficult or unprofitable for a manufacturer to register materials for our uses. IR-4 gives us the opportunity to broaden our arsenal against the ever increasing range of pests that challenge our farming operations.* ***Without IR-4's efforts our job would be much more difficult if not impossible.***

– Mike A. Mellano, Mellano & Company

IR-4 is an invaluable resource for greenhouse and nursery growers – not just in helping make sure they have access to the chemical and biocontrol tools they need to control pests and diseases, but also to support research that helps them use those tools wisely. Specialty crop growers are definitely getting ***double and triple benefits*** *from the IR-4 Program, because the program listens to the industry …* ***you hear our voices!***

– Lin Schmale, Society of American Florists

YOU!

Thank you !

Funding for IR-4 Research:
USDA-NIFA
USDA-ARS
USDA-APHIS
Land Grant Institutions

Researchers:
All the fine researchers throughout the US and in cooperating countries

Growers:
Who donate time to complete the biennial survey and all those plant materials!

IR-4 Personnel:
Michelle Foo
Lori Harrison
Edith Lurvey
Satoru Miyazaki
Mika Pringle-Tolson
Becky Sisco
Ely Vea