



# Purposeful Partnership

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Pest Management Solutions for Specialty Crops and Specialty Uses

# What if there was no IR-4??

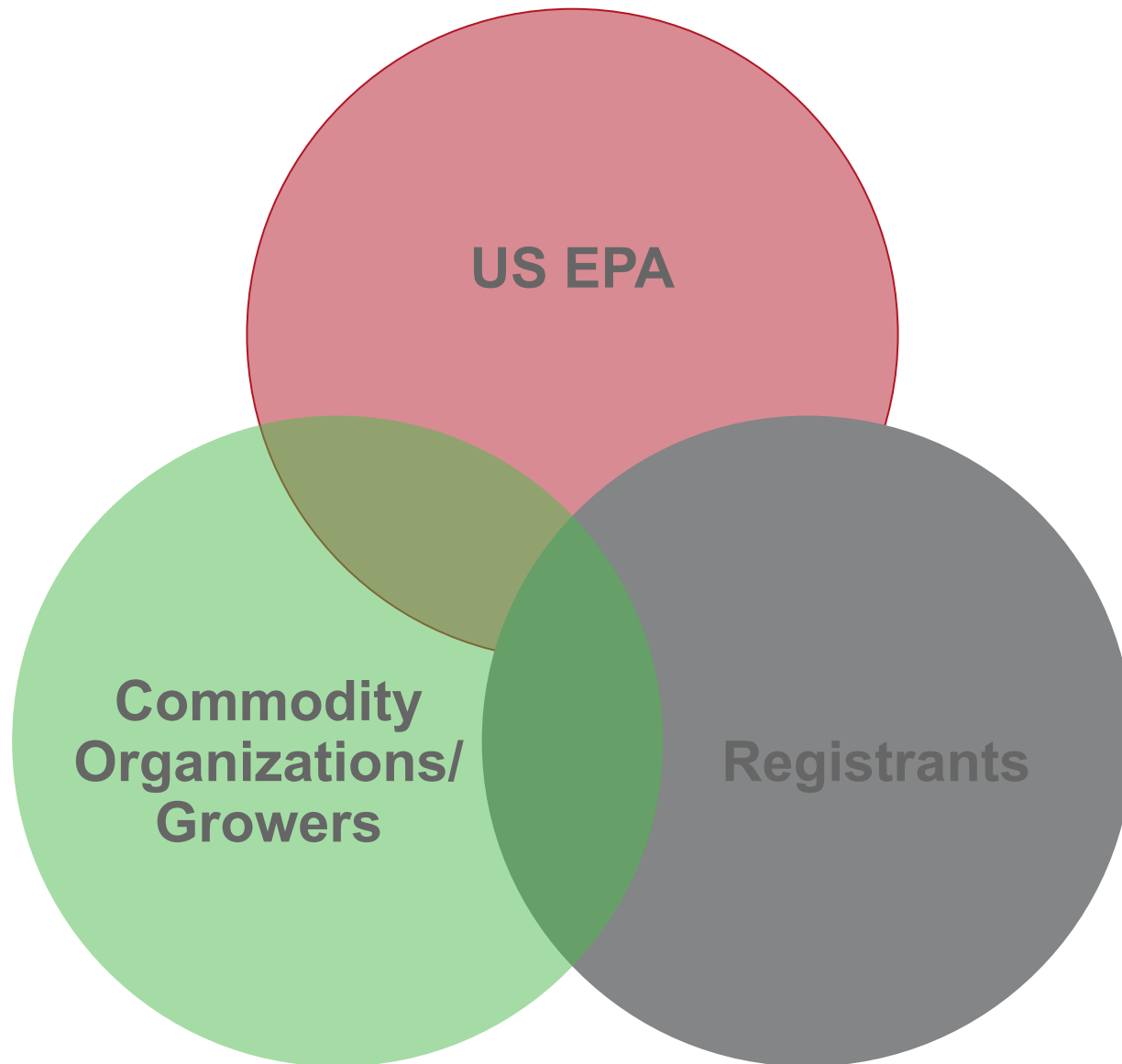


# What if there was no IR-4??

*...nearly **half** of US  
food production  
would be at risk due  
to disease and pest  
pressure*



# Who would Advocate?



**...IR-4 seeks  
common ground for  
essential &  
reasonable  
solutions**



# How does it happen?

## *Skilled & expert staff...*

Educate  
stakeholders &  
regulators

Advise on  
regulatory  
pathways &  
approaches

Leverage  
crop group  
strategies

Actively  
participate in  
regulatory  
defense

Promote  
global minor  
use programs  
& MRL  
harmonization



# Education & Resources



## 2023 Environmental Horticulture Workshop

The 2023 EHC Priority Setting Workshop will be held October 10-12 in Little Rock, Arkansas.



## 2023 Food Use Workshop

Register today! The 2023 Food Use Workshop will be held September 12-14 in Raleigh, NC.



## 2023 Industry Technology Session

The 2023 Industry Technology Session took place virtually on Thursday, July 20.



## 2023 IR-4 Project Research Symposium: Food Crops

The IR-4 Project Research Symposium took place on Tuesday, April 11, 2023.



## 2023 National Education Conference

The 2023 NEC was held Feb. 7-9 in San Juan, Puerto Rico. Presentations now available!

Workshops

Trainings

IR-4 Website

Field tours





# Regulatory Pathways & Approaches

## Extension of exclusive use period for data protection

- 1 yr/3 minor crops
- Up to 3 years
- Facilitates reduced risk strategies

## IR-4 resource partnership

- Residue program
- Product performance trials (efficacy/crop safety)

## Single crop vs. crop group

- Leverage crop group/subgroup opportunities

## Collaboration with PMC

- Access for growers in US & Canada
- Harmonized MRL's

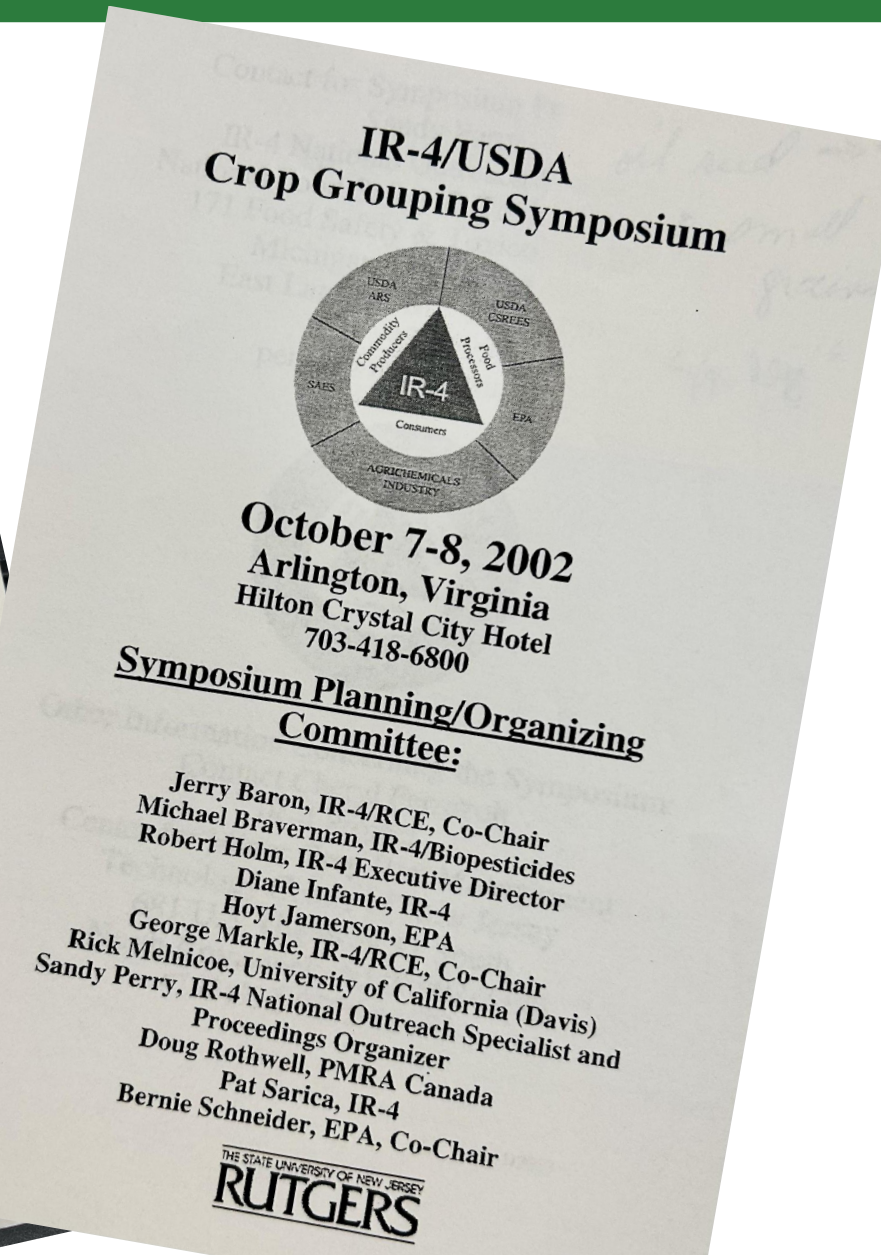
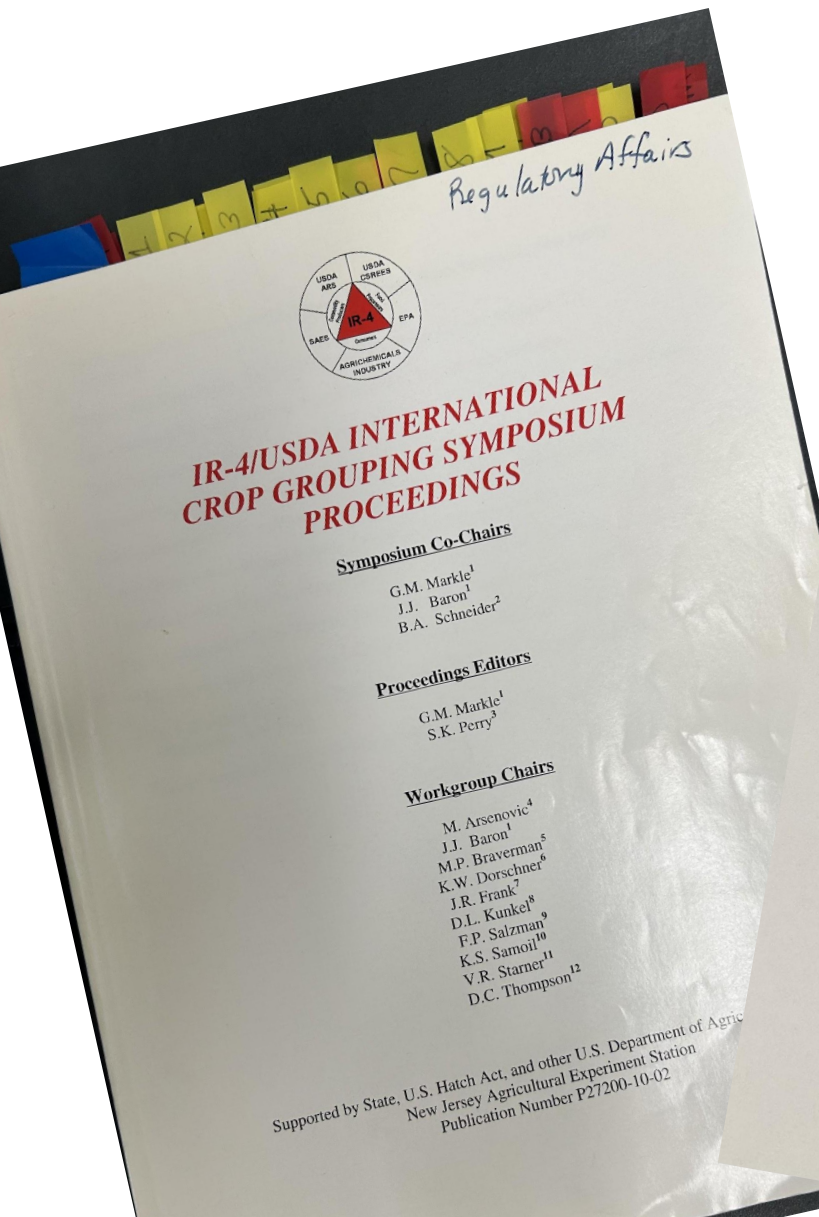
## Integrated Solutions

- Diverse pest control solutions
- Resistance management
- Residue mitigation

***Partner early in research & product development!***



# Leveraging Crop Group Strategies



- Enablement of specialty crop registrations
- 6 revisions since 1995
- From 20 crop groups to 26!
- New crop groups, subgroups & representative crops added





# Benefit of Crop Group / Subgroup

## (16) Crop Group 10. Citrus Fruit Group.

(i) **Representative commodities.** Sweet orange; lemon and grapefruit.

(ii) **Commodities.** The following is a list of all the commodities in Crop Group 10:

### Crop Group 10: Citrus Fruits (Citrus spp., Fortunella spp.) Group—Commodities

Calamondin (*Citrus mitis* × *Citrofortunella mitis*)

Citrus citron (*Citrus medica*)

Citrus hybrids (*Citrus* spp.) (includes chironja, tangelo, tangor)

Grapefruit (*Citrus paradisi*)

Kumquat (*Fortunella* spp.)

Lemon (*Citrus jambhiri*, *Citrus limon*)

Lime (*Citrus aurantiifolia*)

Mandarin (tangerine) (*Citrus reticulata*)

Orange, sour (*Citrus aurantium*)

Orange, sweet (*Citrus sinensis*)

Pummelo (*Citrus grandis*, *Citrus maxima*)

Satsuma mandarin (*Citrus unshiu*)



Table 2—Crop Group 10—10: Subgroup Listing

Representative commodities	Commodities
Crop Subgroup 10–10A. Orange subgroup	
Orange or tangerine/mandarin	Calamondin; citron; citrus hybrids; mediterranean mandarin; orange, sour; orange, sweet; satsuma mandarin; tachibana orange; tangerine (mandarin); tangelo; tangor; trifoliate orange; cultivars, varieties, and/or hybrids of these.
Crop Subgroup 10–10B. Lemon/Lime subgroup	
Lemon or lime	Australian desert lime; Australian finger lime; Australian round lime; brown river finger lime; kumquat; lemon; lime; mount white lime; New Guinea wild lime; Russell River lime; sweet lime; Tahiti lime; cultivars, varieties, and/or hybrids of these.
Crop Subgroup 10–10C. Grapefruit subgroup	
Grapefruit	Grapefruit; Japanese summer grapefruit; pummelo; tangelo; uniq fruit; cultivars, varieties, and/or hybrids of these.

# Regulatory Defense

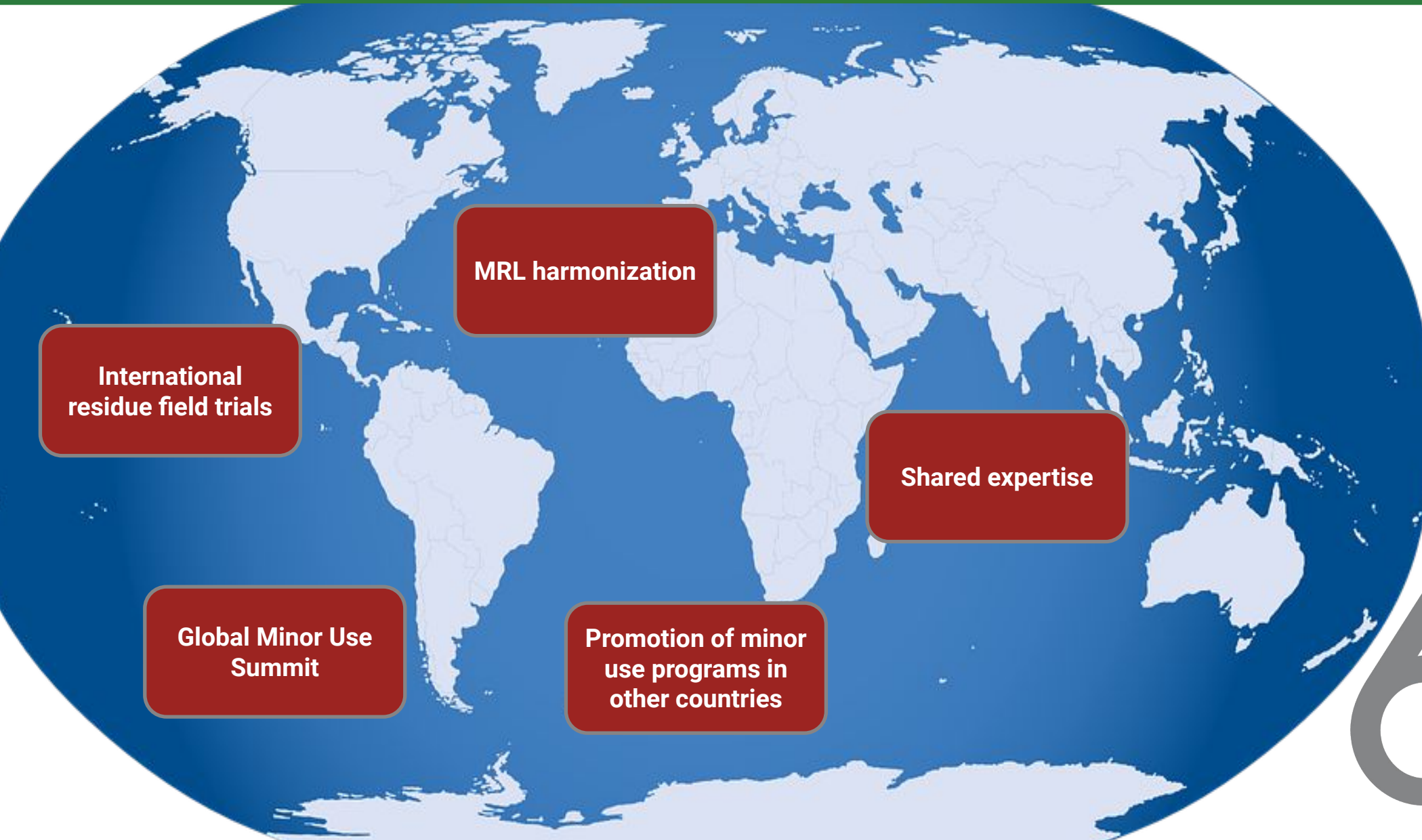
## EPA Registration Review Process<sup>+</sup>:



**\*indicates where IR-4 input can be critical  
(60-day public comment period)**

<sup>+</sup>[epa.gov/pesticide-reevaluation/registration-review-process](https://epa.gov/pesticide-reevaluation/registration-review-process)

# Global Impact



**International  
residue field trials**

**MRL harmonization**

**Shared expertise**

**Global Minor Use  
Summit**

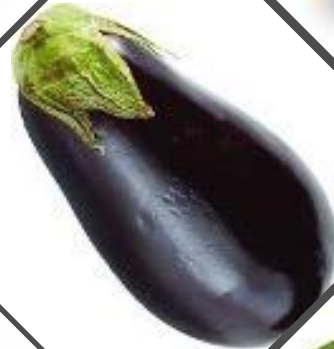
**Promotion of minor  
use programs in  
other countries**





# With IR-4...

## Thank You IR-4!





#60YearsofIR4