

Draft Plans and Needs for Management of the Q biotype of the Whitefly in Vegetables

- I. Pre-discovery Activities**
- II. Post-discovery Activities**

Pre-discovery Activities

I. Identify and Organize Key Operatives

1. CA, AZ, TX, FL, GA
2. Cooperative Extension / Ag Exp. Station / USDA-ARS
2. Vegetable Industry/Commodity Groups (FFVA, WGA,ect)
3. AgChem Industry – Valent, Bayer, FMC, etc
4. Regulatory (APHIS, Dept of Agric)

II. Education

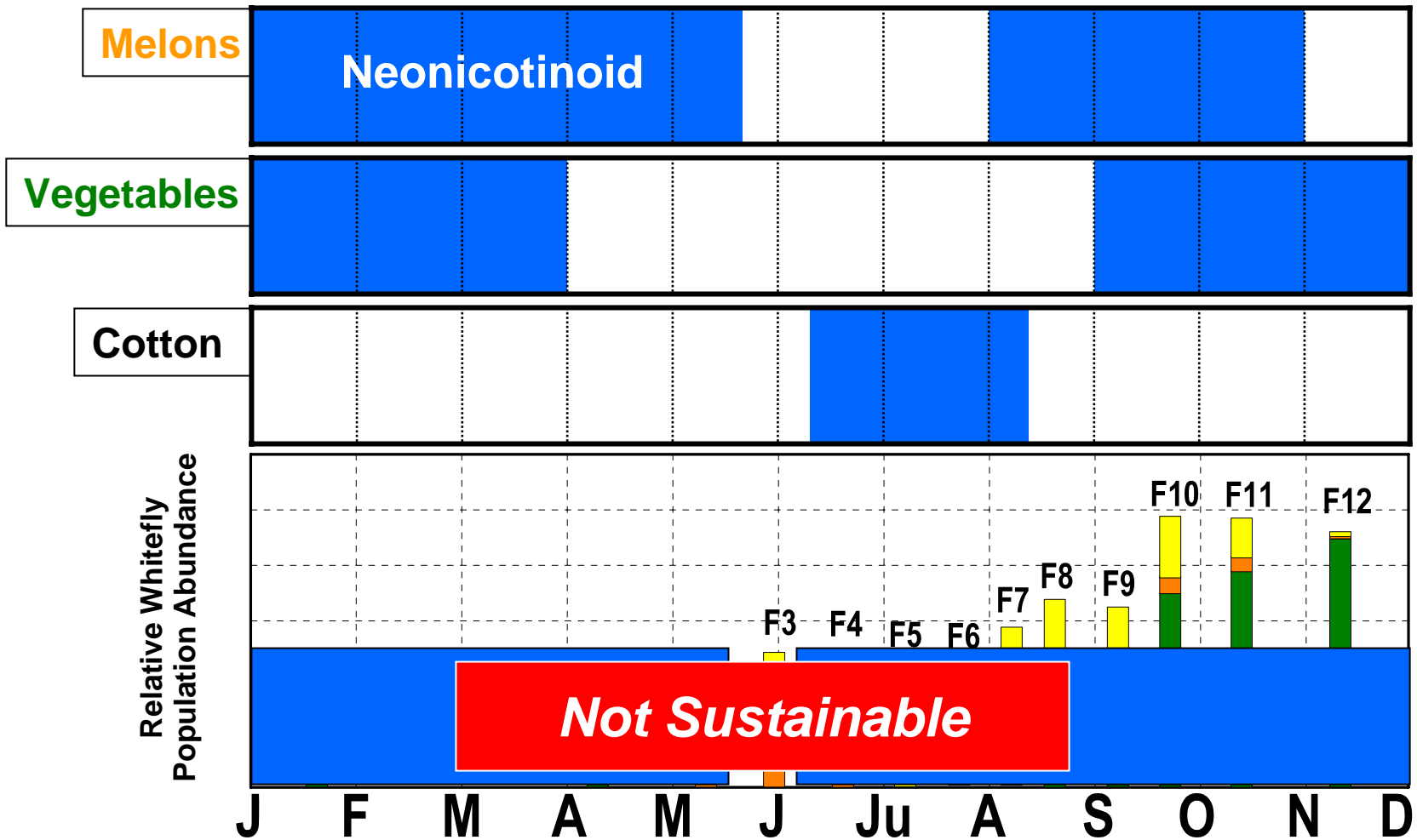
1. Maintain & Enhance Current IPM Programs
 - a. Disseminate Research Updates
 - b. Involve & Engage Grower Groups in Research and Education activities
 - c. Increase Grower and PCA Awareness of the Q Strain

**** *Develop a synopsis of all Current Information on Q biotype***

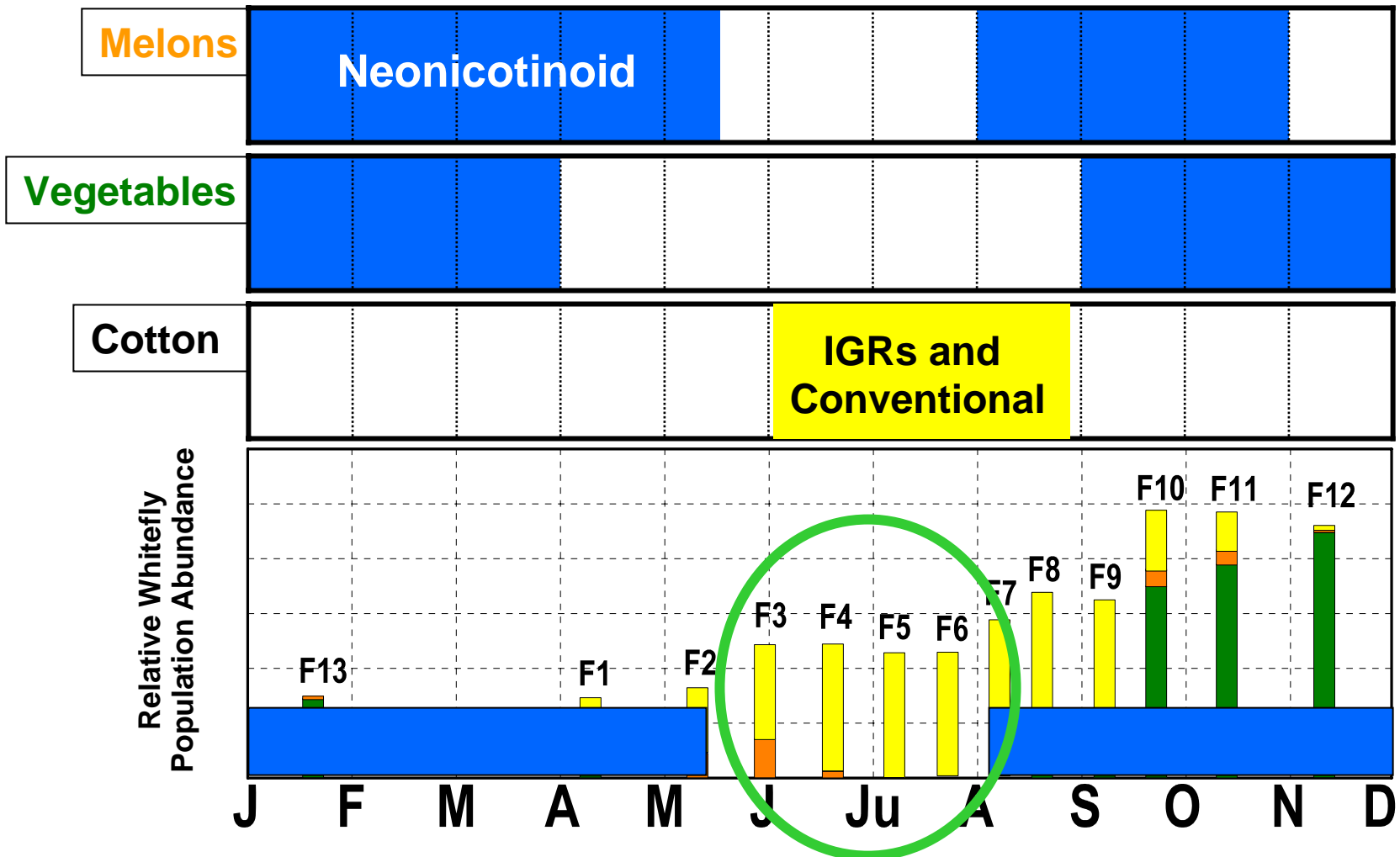
2. Develop an Information Network from a Centralized Point for Coordination & Dissemination .
3. Reinforce Importance of Resistance Management

Chemistry	Fall Melons	Winter Vegetables	Spring melons	Cotton
NEONICOTINOIDS	Soil,Foliar	S,F, seed	S,F	F, seed
PYRIPROXYFEN	F		F	F
BUPROFEZIN	F	F	F	F
NOVALURON		F		F
SPIROMESIFEN	F	F	F	F
PYMENTROZINE	F	F	F	F
FLONICAMID		F		F
SYNERGIZED PYRETH	F	F	F	F
ABAMECTIN	F	F	F	F
New chemistries	?	?	?	?

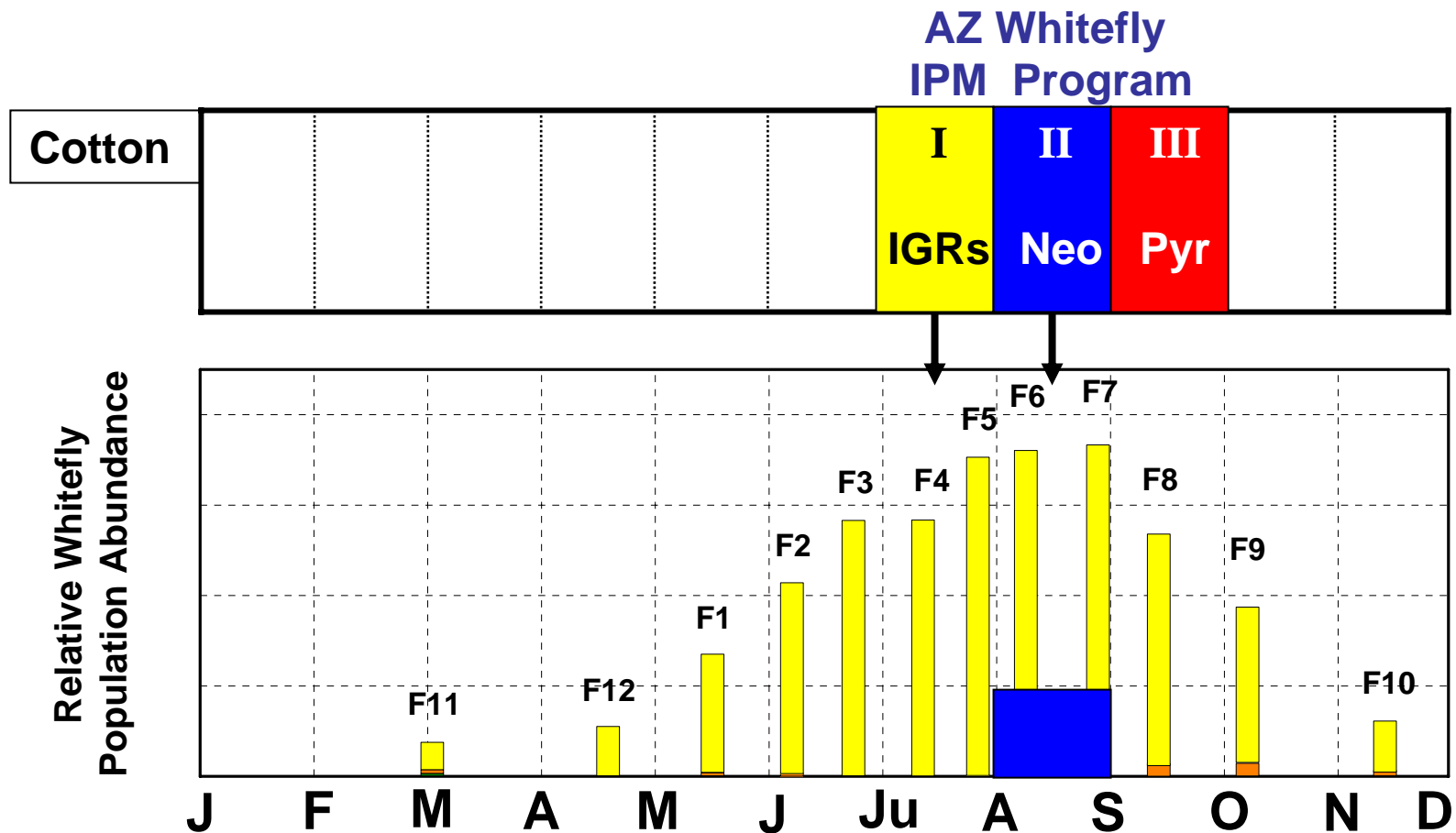
Resistance Risks Associated with Shared Neonicotinoid Uses in a Multi-Crop Community (eg., Yuma – potential usage)



Preserve a *Neonicotinoid-free Period* in Multi-Crop Communities (e.g., Yuma-Recommended)



Resistance Risks Associated with Neonicotinoid Uses in a Cotton-intensive Community (e.g., Buckeye-recommended use)



Post-Discovery Activities

Emergency Action Plan

1. Identify / Implement Potential Control Candidates

- a. Chemical
- b. Cultural
- c. Regulatory Practices

2. Acquire Documentation for Compounds Ahead of Time (EU

3. Mobilize Emergency Team of Responders

4. Emergency Response

Day 1 – report of Q from field

Day 3 – confirmation of Q secure grower cooperation

Day 4 – Response team field visit

- map field and location

Day 5 - Field Plot preparation

- equipment needs
- personnel needs
- Trial setup

Day 6 - Conduct Field Trial

Day 7-14 Trial Evaluation