Doctor of Plant Medicine Students:
Helping to Deliver IPM to Diverse Clientele

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Florida is DIVERSE...

- Three distinct climatic zones
- US leading producer of Vegetables, Turf, Ornamentals, Citrus, Beef.
- Burgeoning greenhouse production industry
- Sentinel state—Port of entry for countless pests, diseases, and exotic weeds
IPM Florida provides statewide, interdisciplinary and inter-unit coordination and assistance for UF, IFAS integrated pest management research, extension and education faculty
Diverse Clientele

- Extension agents & specialists
- Agricultural producers
- Governmental institutions
- Professional societies
- Public
IPM Florida ~ Building Through Partnerships

- Partnerships
- Synergy
- Opportunity
- Ownership
- Program recognition
Delivery

- Extension meetings
- Scientific meetings
- Consultation
- Website
- Publications
My experience as a Plant Medicine Student delivering IPM

- Developing an IPM Tool for Florida Vegetable growers.
- Developing a state-wide IPM grants program.
Developing a Management Guide

I. Collaborative
II. Comprehensive
II. Creative: a model for future UF/IFAS IPM Guides
I. COLLABORATIVE:

Partnered with Industry representatives, growers, and crop advisors to determine the needs of Florida’s Tomato & Pepper Producers.
SURVEY OF GROWER NEEDS

- Options for reducing pest management costs & risks
- Information on conserving natural enemies
- Practices for preventing crop threatening pests & diseases
- Resistance management techniques
- Assistance in establishing accurate damage thresholds
- Alternatives for Methyl Bromide
- A comprehensive resource for making pest management decisions
II. Collaborative

- Linked Extension Specialists, Researchers and County Agents across disciplines throughout the University.
- Developed Table of Contents.
- Selected chapter editors & teams of expert authors.
Grower’s Guide for Florida Tomato & Pepper Production

I. COMPREHENSIVE:

- Chapter 1. IPM in Florida
- Chapter 2. Production
- Chapter 3. Soil & Nutrient Management
- Chapter 4. Pest Management
- Chapter 5. Disease Management
- Chapter 6. Weed Management
- Chapter 7. Biological Control
- Chapter 8. Cultural Control
- Chapter 9. Chemical Control
III. Creative: a model for future IPM Guides

- Template system for authors
- High quality, new photographs, DDIS
- Pocket field guide & IPM Screen Saver
- Self-assessment tool to be a foundation for eco-labeling
The UF, IFAS IPM Grants
Program: Linking Extension Specialists and Agents
In two years UF IFAS IPM grants have awarded nearly $200,000 and funded 40 IPM projects across the state of Florida.

Proposal requests range between $1,000-$10,000.

The average award is $5,000.

Photos by Eric Zamora & Robyn Koestoyo
National IPM Objectives

Projects must satisfy at least one of the following national IPM objectives:

1. Safeguard human health and the environment
2. Show benefits achieved through IPM strategies or technologies
3. Disseminate IPM knowledge
4. Enhance stakeholder collaboration.
People & Communities
Projects & Partners

- School IPM
- Landscape Maintenance Training
- Residential Termite Monitoring
- Mosquito Abatement
- Florida Yards & Neighborhoods
- Master Gardeners
- IPM Education & Training
- Mole Cricket Biological Control
The Biological Control Brain Bowl

William Overholt, Ron Cave, Robin Koestoyo, Dan Culbert, Ed Skvarch, Ken Gioeli, Christine Kelly-Begazo & Roxanne Rutledge

Photos provided by Robyn Koestoyo
Mosquito Control

M.A.S.H.
Mosquito Abatement for Safety & Health
Volunteers Training & Support
2004-2005
Ralph Mitchell

Chemical Control of Mosquitoes: A Guide to Understanding the Safety, Mode of Action, and Proper Timing of Application of the Products used in Mosquito Control
2004-2005
Roxanne Rutledge-Connelly
IPM Florida … at your service

- IPM Florida connected agents and researchers together who were working on similar projects for collaboration.
- IPM Florida staff assisted agents & researchers with proposals and projects.
- Visit the IPM Florida website for more IPM grant ideas. [http://ifas.ufl.edu](http://ifas.ufl.edu)
IPM & DPM

• To make whole by bringing all parts together.
Doctor of Plant Medicine students are trained to:

- Approach plant health from **multiple** angles.
- Employ **multiple** techniques to manage problems.

_To make whole by bringing all parts together. . ._
DPM professionals are well suited to deliver IPM into the hands of diverse clientele.


2. Applied Science: *Bringing research into the hands of those that can use it!*