Pesticides, Environment & IPM Concepts

Pesticide Safety for the Small Farmer

Robert D. Halman
County Extension Director & Ag Agent
Collier County UF/IFAS Extension
Southwest Florida Small Farm Network

• The extension model used for the SWFSFN is based on the premise that “successful farmer-to-farmer networks assume that each person has valuable knowledge and experience to contribute” (CIAS, 1996).
To this end, SWFSFN was designed to achieve the following educational objectives:

• Develop a regional small farmer network database
• Use demonstrations of diversified small farming as steps towards sustainable agriculture
• Create awareness of regional small farming and local food systems issues
• Provide extension and participatory collaboration on farmer-identified topics
Robert D. Halman, CED & Agriculture Extension Agent, Collier County
Farmer Host
Citrus and greenhouse grower host
Aquaculture Facility
Equipment Demonstration
Disease and weather Damage
Informal networking
Discussion Topic: Pesticides

What are they??
Pest Management

Control vs. Elimination
Organic, natural or traditional

What control is best, legal and most effective?
Know your pests!!

Pests vs. Predators
Know Your Pest

Know the “Best” Way to Control It
Pest Control Management is a Matter of Timing
Types of pests - Identification
Types of Pesticides

- General Use
- Restricted Use
Pesticides work according to their effect on the target pest:

- Stomach poison - Contact Poison
- Fumigants, Pheromones
- Systemic sterilants
- Anticoagulants
- Plant growth regulators
- Defoliants
- Desiccants
Chemical Pesticides

- Organophosphates
- Carbamates
- Organochlorine
- Pyrethroids
Formulations

- Aerosols
- Emulsifiable Concentrates
- Flowables
- Wettable & soluble powders
- Granules
- Dusts
- Poisonous baits
- Fumigants
- Misc. formulations
Biopesticides

• Microbial
• Plant Incorporated Protectants (PIP)
• Biochemical
Read the Label!!!
Pesticide Safety: What are we doing this for?
On-site Educational workshops
Who’s Got Questions ???
My contact information:
rdhalman@ifas.ufl.edu

Robert D. Halman
County Director/ Agriculture Agent
Collier County UF / IFAS Extension
14700 Immokalee Road
Naples, Florida 34120
239-353-4244
Medical Studies indicate that most people suffer a 68% hearing loss when naked.