

## 2008 Florida Citrus Pest Management Guide: Introduction<sup>1</sup>

---

M.E. Rogers and L.W. Timmer<sup>2</sup>

The objective of the Florida Citrus Pest Management Guide is to assist citrus growers in the identification of pest management options and the selection of appropriate control measures. This publication should serve as a reference once it has been determined that control measures might be warranted. **It is not intended to replace pesticidal product labels which contain important usage information and should be immediately accessible for reference. Violations of directions for use printed on the label are against State and Federal laws.** Care should be taken to select only those treatments best suited for control of the specific pest(s) identified as requiring suppression. Products listed in all tables have been shown to be efficacious, non-phytotoxic to citrus, and relatively safe on non-target arthropods and microorganisms when used as directed. However, it is important to realize that results may not be consistent under different environmental, application, and tank mix conditions.

As a supplement to each table of recommendations, we have provided information on which to base a management decision specific to the target pest, weed or disorder. This information will

assist the producer in developing management strategies for a particular set of conditions and possibly identify circumstances under which chemical intervention may not be necessary.

For specific information on pest identification, biology, damage or non-chemical management techniques, refer to Extension Digital Information System (EDIS) and other IFAS, USDA, and Florida Department of Agriculture and Consumer Services (FDACS) publications. In addition to the authors listed throughout the Pest Management Guide, the citrus specialists and agents listed below can provide assistance with pest management information.

### Research and Education Centers

#### Citrus REC

700 Experiment Station Road  
Lake Alfred, FL 33850-2299  
<http://www.crec.ifas.ufl.edu>  
(863) 956-1151

Dr. Harold W. Browning, Center Director  
Dr. Kuang-Ren Chung, Plant Pathology

- 
1. This document is CPMG-01, one of a series of the Plant Pathology Department, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida. Date printed: September 1999. Date revised: January 2008. This publication is included in SP-43, 2008 Florida Citrus Pest Management Guide. A copy of this publication may be found at <http://edis.ifas.ufl.edu/CG033>. Please visit the EDIS Web site at <http://edis.ifas.ufl.edu>. For a copy of this handbook, request information on its purchase at your county extension office.
  2. M.E. Rogers, assistant professor, Entomology and Nematology Department and L.W. Timmer, professor emeritus, Plant Pathology Department, Citrus REC, Lake Alfred, Florida; Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida, Gainesville, 32611.

The Institute of Food and Agricultural Sciences (IFAS) is an Equal Opportunity Institution authorized to provide research, educational information and other services only to individuals and institutions that function with non-discrimination with respect to race, creed, color, religion, age, disability, sex, sexual orientation, marital status, national origin, political opinions or affiliations. U.S. Department of Agriculture, Cooperative Extension Service, University of Florida, IFAS, Florida A. & M. University Cooperative Extension Program, and Boards of County Commissioners Cooperating. Larry Arrington, Dean

Dr. Michelle Danyluk, Citrus Processing  
 Dr. Reza Ehsani, Agricultural Engineering  
 Mr. Ronald P. Muraro, Economics  
 Dr. Joseph W. Noling, Nematology  
 Dr. Lawrence R. Parsons, Water, Irrigation,  
 Frost Protection  
 Dr. Michael E. Rogers, Entomology  
 Dr. L. W. "Pete" Timmer, Plant Pathology

### **Indian River REC**

2199 South Rock Road  
 Ft. Pierce, FL 34945-3138  
<http://www.irrec.ifas.ufl.edu>  
 (772) 468-3922

Dr. Brian T. Scully, Center Director  
 Dr. Brian J. Boman, Citrus BMPs, Water Quality  
 Dr. Mark A. Ritenour, Postharvest Physiology

### **Southwest Florida REC**

2686 State Road 29 N  
 Immokalee, FL 34142-9515  
<http://www.imok.ufl.edu>  
 (239) 658-3400

Dr. Christine T. Waddill, Center Director  
 Dr. Pamela D. Roberts, Plant Pathology  
 Dr. Fritz M. Roka, Economics  
 Dr. Robert E. Rouse, Citrus Horticulture  
 Dr. Philip A. Stansly, Entomology

### **Tropical REC**

18905 SW 280 Street  
 Homestead, FL 33031-3314  
<http://trec.ifas.ufl.edu>  
 (305) 246-7000

Dr. Van H. Waddill, Center Director  
 Dr. Jonathan H. Crane, Tropical Fruit Crops  
 Dr. Jorge E. Peña, Tropical Fruit Crop  
 Entomology

## **County Extension Agents - Citrus**

### **Mr. Ryan A. Atwood**

Extension Agent II, Citrus  
 Brevard, Lake, Orange, Osceola and  
 Seminole  
 Lake County Extension Service  
 1951 Woodlea Road

Tavares, FL 32778-4052  
 (352) 343-4101

### **Dr. Carlos F. Balerdi**

Extension Agent IV, Multi-County,  
 Tropical Fruit Crops  
 Broward, Collier, Lee, Miami-Dade, Monroe,  
 and Palm Beach

### **Ms. Adrian Hunsberger**

Extension Agent III, Urban Horticulture  
 Miami-Dade County Extension Service  
 18710 SW 288th Street  
 Homestead, FL 33030-2309  
 (305) 248-3311

### **Dr. Stephen H. Futch**

Extension Agent IV, Multi-County, Citrus  
 DeSoto, Hardee, Manatee and Sarasota  
 Citrus Research and Education Center  
 700 Experiment Station Road  
 Lake Alfred, FL 33850-2299  
 (863) 956-1151

### **Mr. John W. Hebb, Jr. (Jack)**

Extension Agent IV, Multi-County, Citrus  
 Indian River, Martin, Okeechobee and  
 St. Lucie  
 St. Lucie County Extension Service  
 8400 Picos Road, Suite 101  
 Ft. Pierce, FL 34945-3045  
 (772) 462-1660

### **Mr. W. Chris Oswalt**

Extension Agent III, Multi-County, Citrus  
 Hillsborough and Polk  
 Polk County Extension Office  
 P. O. Box 9005, Drawer HS03  
 Bartow, FL 33831-9005  
 (863) 519-8677

### **Dr. Mongi Zekri**

Extension Agent IV, Multi-County, Citrus  
 Charlotte, Collier, Glades, Hendry and Lee  
 Hendry County Extension Service  
 P. O. Box 68  
 LaBelle, FL 33975-0068  
 (863) 674-4092