

IPM FLORIDA

celebrating almost 20 years!

IPM FLORIDA COLLABORATIONS

IPM Florida collaborates extensively with UF/IFAS Extension faculty throughout Florida. Research projects have included mole cricket IPM, medfly pathway analysis, thrips IPM, filth fly IPM, Asian citrus psyllid biological control, and small farm IPM. Scientific disciplines primarily involve Entomology and Nematology, Plant Pathology, Agronomy, Horticulture, Environmental Horticulture, Agricultural and Biological Engineering, Food and Resource Economics, and Agricultural Education and Communication. We have significant inter-institutional collaboration with USDA, APHIS, PPQ; USDA, ARS; Florida A&M University; FDACS, DPI; USDA, NRCS; the IPM Institute of North America; and Mississippi State University. Major professional activities beyond Florida are the Entomological Society of America, national and SEB; SERA-IEG3 (state IPM coordinators); International Organization for Biological Control, regional biological control projects, and the International IPM Symposium. The benefits of IPM Florida are measured in terms of the number of collaborative projects initiated and completed with results delivered to clientele groups, plus publications, presentations, grants, and consultation, including education and training.



IPM Integrated Pest Management Florida

FLORIDA STATEWIDE IPM PROGRAM

The University of Florida Integrated Pest Management Program, IPM Florida, was established in 2001 by Dr. Norm Leppla. IPM Florida provides statewide, interdisciplinary and inter-unit coordination and assistance primarily for University of Florida, Institute of Food and Agricultural Sciences research, Extension and education faculty and encompasses agriculture, communities and environmental areas. We deliver important international, national, state and local IPM information and consultation directly, via an active listserv, and through the IPM Florida website. IPM Florida has become a valuable resource for our cooperators and clientele.



DOCTOR OF PLANT MEDICINE

IPM Florida is closely allied with the Doctor of Plant Medicine Program and its students (<http://dpm.ifas.ufl.edu>). During the past almost 20 years, DPM students have helped to advance IPM Florida and contributed significantly to the adoption of IPM in Florida and nationally. The Director of IPM Florida serves on the DPM Internal Advisory Committee; reviews and contributes advice on curriculum, applicants, and other program areas; and continues to provide guidance for the students. He has collaboratively generated financial assistance for 3-4 DPM students per year.

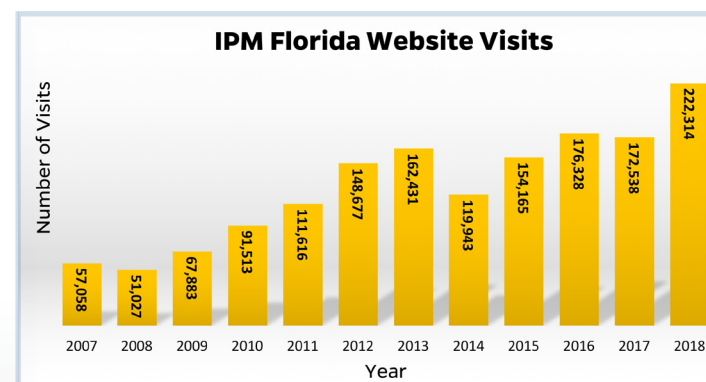


IPM RESOURCES

- **Growers IPM Guide for Florida Tomato and Pepper Production**
- **Pest Mole Crickets and Their Control**
- **Mini-Grants for Extension Agents and Specialists**
- **Guidelines for Purchasing and Using Commercial Natural Enemies and Biopesticides in North America**
- **IPM Policy and Treatment Options for University Housing**
- **IPM Toolbox for Extension Agents and Master Gardeners**
- **Florida's Major Agricultural Pests**
- **Living with Lovebugs**
- **Thrips Management in Specific Crops**
- **Insect and Mite Integrated Pest Management in Florida Cotton**

IPM FLORIDA WEBSITE

Since its creation in 2001, the IPM Florida website has been a primary means of delivering IPM information in the state and region. It originally contained wide-ranging topics beyond IPM, including sustainable agriculture, natural resource management, and selected environmental subjects. In 2014, we decided to redesign the website to focus on IPM Florida's primary mission of solving pest problems and implementing IPM practices. This redesign eliminated more than half of the general IPM information but included a considerable expansion of the sections on agricultural, community and environmental IPM, along with more materials for IPM education and applications. Consequently, there has been a steady increase in downloaded information and the usefulness of the website.



LIVING IPM FIELD LABORATORY

IPM Florida partnered with the UF/IFAS North Florida Research and Education Center- Suwannee Valley near Live Oak to create a whole farm IPM concept, the Living Extension IPM Field Laboratory (<http://vfd.ifas.ufl.edu/whole-farm-ipm.shtml>). The objectives of the field laboratory are as follows: 1) create a field laboratory by transforming an existing farm into a model that can be used to teach IPM principles and techniques beyond the classroom, 2) teach clientele whole farm IPM approaches, and 3) build a sustainable education infrastructure and networking capacity for future IPM information delivery. The IPM tactics emphasized at this site include farmscaping, trap crops, trapping systems, native pollinator enhancements, scouting procedures, reduced-risk pesticides, conservation tillage, pest exclusion, and protected agriculture. The laboratory was developed collaboratively by UF/IFAS, state and federal government agencies, and other southern land grant universities with support of the Southern IPM Center. IPM training has been provided to farmers, Master Gardeners, USDA technical service providers, and County Extension agents, as well as high school FFA teachers and students, University of Florida and Florida A&M University students on class field trips, University of Florida Doctor of Plant Medicine students, and 4-H and Youth at Summer Camps.



PHOTO: Suwannee Valley Times

MOLE CRICKET BIOLOGICAL CONTROL

Mole cricket IPM is an example of integrating resistant turfgrass cultivars, a set of pest prevention practices, and natural enemies to successfully manage these pests (<http://edis.ifas.ufl.edu/in1021>). A parasitic wasp, fly and nematode were introduced, tested for non-target effects, and distributed in Florida to manage three species of invasive alien mole crickets. We and our cooperators released these natural enemies of mole crickets in pastures, turf farms, golf courses, athletic fields, and other mole cricket habitats across Florida, and they were very effective in reducing mole cricket damage.



IPM Florida provides statewide interdisciplinary and interunit coordination and assistance in integrated pest management to protect agriculture, communities and the environment.

UF IFAS
UNIVERSITY of FLORIDA