



**Name:** Catharine Mannion

**Title and Department:** Associate Professor; TREC

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**Education:**

**B.S. Biology, University of California, Davis**

**M.S. Entomology, North Carolina State University**

**Ph.D. Entomology and Nematology, University of Florida**

**Research Interests:**

- Integrated pest management of tropical and subtropical arthropod pests affecting ornamental crops (production and landscape)
- Invasive pests of ornamental crops (production and landscape)
- Biology and population of pests and their natural enemies on ornamental crops
- Management of quarantine or pests of regulatory significance

**Select Publications:**

Amarasekare, K., C. Mannion, L. Osborne, and N. Epsky. 2008 Development, survival, and reproduction of *Paracoccus marginatus* Williams and Granara de Willink (Hemiptera: Pseudococcidae) on different host plant species. *Environ. Entomol.* 37( 3):630-635.

Chong, J., Roda, A. & Mannion, C. M. 2007. "Life History of the Mealybug, *Maconellicoccus hirsutus* (Green) (Hemiptera:Pseudococcidae), at Constant Temperatures." *Environ. Entomol.* 37(2):323-332.

- Vitullo, J., S. Wang, A. Zhang, C. Mannion, and J. C. Bergh. 2007. Comparison of sex pheromone traps for monitoring pink hibiscus mealybug (Hemiptera: Pseudococcidae). *J. Econ. Entomol.* 100(2):405-410.
- Epsky, N. D., P. E. Kendra, H. Puche, and C. Mannion. 2006. Geostatistical characterization of a recent infestation of *Paratachardina lobata lobata* (Hemiptera: Kerriidae). *Florida Entomol.* 89 (3): 367-374.
- Diaz, A., C. M. Mannion, and B. A. Schaffer. 2006. Effect of root feeding by *Diaprepes abbreviatus* (Coleoptera: Curculionidae) larvae on leaf gas exchange and growth of three ornamental tree species. *J.Econ.Entomol.* 99 (3): 811-821.

**Extramural support during past 5 years:**

Approximate total: \$600,000.

**Teaching Interests:**

I have an interest in mentoring and teaching students with an interest in pest management of pests of ornamentals through graduate degrees, guest lecturing, workshops and trainings.

**Extension/Outreach Interests:**

I promote, gather, and share information on tropical and subtropical pests of ornamental plants, pest damage, management options, regulatory issues to clientele (growers, extension agents, landscapers, plant groups, regulatory personnel, homeowners, etc) through extension publications (paper and electronic), workshops, trainings, and meetings. I maintain a website with available information and fact sheets on key pests and I provide insect identification and control information for samples submitted to the Plant Diagnostic Clinic.

**International Activities:**

I have participated in several international meetings and met with colleagues to discuss pest problems of mutual interest. I also served as a volunteer through Winrock International Technical Assistance Program in Guatemala to assist growers in managing their pests as well as provide a university seminar. I also participated in the "Diplomado de Frutas Tropicales y Ornamentales" in Tapachula, Mexico, held at the University of Chiapas to provide instruction to students, growers and professionals.