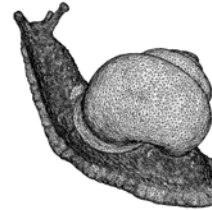




# Slugs and Snails

## Biology and Control in Agriculture, Nurseries, & Landscapes



March 13, 2013  
8 am – 12 noon

**San Marcos Community Center**  
3 Civic Center Dr, San Marcos, CA

### Program

- 7:30 am **Registration Coffee & Refreshments**
- 8:00 am **Why Slugs and Snails? Their Impact on Ag, Nursery, and Landscape Plants**  
Gary Bender, Ph.D., Cheryl Wilen, Ph.D., James Bethke, and David Shaw  
UCCE Farm Advisors
- 8:20 am **Slime Time: Intro to Slugs and Snails**  
Robin Rosetta, Oregon State University, North Willamette Research and Extension Center
- 9:00 am **European Invaders: California's Invasive Snails and Slugs and a Novel Approach to their Control**  
Dr. Rory McDonnell, Ph.D., Department of Entomology, U.C. Riverside
- 9:30 am Break
- 9:45 am **Shipping Nursery Stock to States with Snail Restrictions-What You Need to Know**  
Jim Wynn, San Diego County Department of Agriculture

- 10:45 am **Winning the Shell Game: Amber Snail Management for Nurseries**  
Robin Rosetta, Oregon State University
- 11:15 am **Integrated Pest Management (IPM) including Chemical and Biological Measures for Snail and Slug Control**  
Cheryl Wilen, Ph.D., IPM Advisor, UCCE and UC IPM
- 12:00 pm **Adjourn**

4.0 CEU Hours for PCA, QAC, QAL and Private Applicators have been applied for (Including 1 Hour of Laws and Regs)!

For more information call 858-822-7711.

## Registration Form

Registration fee: \$ 50

At the door (if space allows): \$ 60

Register and pay (credit card) online at:  
<http://ucanr.edu/slugsandsnails2013>

Or

Use the form below and Mail to:

UCCE Farm and Home Advisors  
9335 Hazard Way Suite 201  
San Diego, CA 92123

Make check payable to "**UC Regents**"

Checks or exact change only when paying at the door (no P.O.s, no credit cards).

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_@\_\_\_\_\_

For more information or if you need assistance: 858-822-7872

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**University of California  
Cooperative Extension invites  
you to join us for an  
informative morning.**

***Slugs and  
Snails in  
Agriculture  
Production  
Nurseries, and  
Landscapes:  
Biology and  
Control***

**Learn about the following areas:**

- **Why Slugs and Snails?**  
Introduction to slugs and snails and the damage they bring to citrus and other tree crops, nursery crops, and landscape plant materials.
- **Slime Time!**  
An in-depth introduction to terrestrial slugs and snails. Learn about why these animals are a concern, their biology, behavior, and ecology.
- **European Invaders:**  
California has a diverse fauna of both native and invasive gastropods. Results of recent trials using essential oils as a novel tool to control snails and their eggs.
- **Shipping Nursery Stock to States with Snail Restrictions:**  
This Laws and Regulations presentation will cover the requirements involved and two certification options.
- **Winning the Shell Game:**  
Learn how Amber snails are semi-aquatic snails that can be pests in nursery production systems.
- **Integrated Pest Management for Snail and Slug Control:**  
Discover the important methods of snail management appropriate for greenhouse, nursery, and landscapes.

**COOPERATIVE EXTENSION**

9335 HAZARD WAY, SUITE 201

SAN DIEGO, CALIFORNIA 92123