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## In This Issue

- [PMU Focus](#)
- [Upcoming Training Opportunities](#)
- [Learn More From IFAS](#)

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## Online Training Available

<https://pmu.ifas.ufl.edu/>  
<https://eces.ifas.ufl.edu/>

## Additional Resources

University of Florida  
Extension Publications  
<http://edis.ifas.ufl.edu/>

Pest Management in and  
Around Structures  
<http://www.eXtension.org/>

## PMU Focus - Ants

By [Michael Bentley](#)

It won't be long before the afternoons get warmer, daylight last longer, and rain becomes a daily ritual. The warmth and the rain are usually good signs that pest season is fast approaching. The key to our annual ant control issues is to be prepared.

Ant facts and why they are important:

- There are over 8,000 identified ant species worldwide, but only a fraction are pest ants.
- Ants are social insects and live in colonies like bees, wasps, and termites, so eliminating just a few will not take care of an infestation.
- [Pheromones](#) are an ant's primary means of communication. Trailing following pheromones are what ants use to locate and return to food. Wiping down ant trails (sanitation) eliminates trail pheromones. [The key to successful baiting is understanding trailing and pheromones.](#)
- [Trophallaxis](#) is the act of regurgitating food to other ants. Insecticidal baits are simply a toxicant added to a food matrix. Trophallaxis ensures that the bait is share throughout the colony.

In our next issues we will discuss specific pest ants in Florida.



Fig. 1. Ants following pheromone trail.

[http://www.srs.fs.usda.gov/idip/spb\\_ii/photos\\_ants.html](http://www.srs.fs.usda.gov/idip/spb_ii/photos_ants.html)

## Upcoming Training Opportunities:

### **FINALLY! Some L&O opportunities via UF! Stayed tuned for more!**

#### **Landscape IPM: Ornamentals and Turf**

Starting May 2013, take your first steps toward getting a certificate or becoming LMA certified! A new three credit course will be offered starting May 2013 at the University of Florida (UF). The course is called "[Landscape IPM: Ornamentals and Turf](#)" and is course number IPM 4254. This course will be offered for UF credit and will be available for students that are enrolled at UF or for people outside UF that are interested in the material. UF will offer the course this summer (2013) and it will be available 100% online. You must have computer and internet access to take this class. This course is for UF juniors and seniors and landscape and pest management supervisors and owners.

This course will be used as a measure for LMA Certification. The LMA will offer students who pass this class (with an A or a B) the opportunity to become LMA Certified without additional testing since they will be tested as part of the course. This course will also count towards a UF Certificate in Landscape Pest Management. Learn more about the UF distance program, including costs and how to register-

<http://entnemdept.ufl.edu/academics/distance/>

To register for this course please complete a Non-degree Registration Request at the following website:

<http://www.isis.ufl.edu/cgi-bin/eaglec?MDASTRAN=nda-intro>

You will need to fill out some personal information on the form and the following course information:

- Select Year and Term of Registration: 2013 Summer A/C (May)
- College: THE COLLEGE OF AGRICULTURAL AND LIFE SCIENCES – Entomology Undergrad Distance Courses
- Course Information: Prefix- IPM. Number- 4254.

If you have trouble filling out this form and registering for the course please contact Ms. Ruth Brumbaugh, Entomology and Nematology Department Student Services Coordinator. Phone: 352-273-3912 Email: [brumbaugh@ufl.edu](mailto:brumbaugh@ufl.edu) .

If you would like more information about the course please contact the course instructor Dr. Jennifer L. Gillett-Kaufman Phone: (352)273-3950 Email: [gillett@ufl.edu](mailto:gillett@ufl.edu) . She cannot help you with registration and will forward all registration requests to Ms. Brumbaugh.

## **PMU Course Offerings**

### **Foundations of General Household Pest Management 101**

Foundations of General Household Pest Management 101: Pest control matters. Cockroach allergen mitigation can be achieved with IPM. Class duration: 2.5 days.

- Study domestic and peridomestic cockroach species and how to control them as well as rodent, small fly, filth fly, fire ant and nuisance ant management.
- Review the labels of commonly used GHP products, practice pest inspections at PMU's house and develop treatment strategies focused on IPM.
- Do a vehicle inspection and spill drill with Paul Mitola from DACS.

**Date: Feb. 20-22, 2013; W-F**

**Registration deadline: Feb 15, Friday**

**Place: UF/IFAS Apopka MREC**

**Time: 8 AM-5 PM (W, TH); 8 AM-12 PM (F)**

**Cost: \$350**

[Register here](#)

### **WDO Inspections and Form 13645**

Improperly completed 13645 forms are a leading cause of litigation for pest control. Foundations recommended, but not required. Class duration: 1.5 days.

- Do an inspection at PMUs house for WDOs with Paul Mitola from DACS
- Learn the proper determination of "live, damage and evidence" and how to use DACS 13645.
- Learn from industry attorney Mark Ruff about the legal ramifications of an incomplete WDOI, using case studies and a mock trial video.
- Review WDO biology and behavior.

**Date: Mar 21-22, 2013; W-F**

**Registration deadline: Mar 18, Monday**

**Place: UF/IFAS Apopka MREC**

**Time: 8 AM-5 PM (TH); 8 AM-12 PM (F)**

**Cost: \$195**

[Register here](#)

### **Foundations of Termite Management 101**

Learn how termites exploit over 50 building construction elements and how to treat them in a hands-on environment in 2-days instead of 2 years.

- Practice doing a DACS vehicle inspection and spill drill with Paul Mitola from DACS before a crisis occurs.
- Hear about the top 10 reasons technicians get in trouble and how to avoid them from Mark Ruff, industry attorney.
- Get more in-depth information on termite biology and behavior as well as product label navigation. Class duration: 2.5 days.

**Date: April 24-26, 2013; W-F**

**Registration deadline: April 19, Friday**

**Place: UF/IFAS Apopka MREC**

**Time: 8 AM-5 PM (W, TH); 8 AM-12 PM (F)**

**Cost: \$350**

[Register here](#)

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## Learn more from IFAS



- UF/IFAS has Extension Offices in each Florida's sixty-seven counties. We also have twelve Research and Education Centers and Research and Demonstration Sites (RDSs).
- If you need help a great place to start is your local County Extension Office. With an office located in every county it has never been easier to partner with the University of Florida and your local County Government. To find the office near you please visit:

<http://solutionsforyourlife.ufl.edu/ma>

