

## In This Issue

- Florida School IPM Focus
- Know The Facts
- Pest ID
- Training Opportunity
- Post Your School IPM News!

## Past Issues

### Online Training Available:

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

### Pest Management in and Around Structures:

<http://www.eXtension.org/>

### Contact Us:

<http://schoolipm.ifas.ufl.edu/>

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## New Team Member

Jennifer and I wanted to introduce Mike Bentley to the Florida School IPM team. Mike has returned to UF for a Ph.D. We are excited to have him join us. He is a Gator through and through, earning his undergraduate degree in Entomology and an M.S. working on mosquitoes! His thesis topic is a mouthful: Behavioral phototaxis of previtellogenic and vitellogenic mosquitoes (Diptera: Culicidae) to light emitting diodes. Mike is certified in all categories of pest control and has worked in the industry for 6 years before returning to UF. Mike will be taking over authorship of the newsletters, sharing some great practical IPM tips!

## School IPM Focus- Silverfish

With the holiday season comes holiday decorations! Time to get those cardboard boxes filled with festive garland and crafts supplies out of the closet. Unfortunately, we can run into more than just decorations when we start pulling out supplies that have been sitting in that dark, damp closet undisturbed. A common pest typically encountered this time of year is the silverfish. (Photo from: <http://edis.ifas.ufl.edu>)



## Know the Facts:

Silverfish are small insects, about ½" long, and range in color from silver to grey. They love to hide in dark, humid places, such as closets, book shelves, and cabinets. Silverfish prefer foods high in protein, sugars or starches. These nutritional resources, unfortunately, are also found in common classroom items such as books, cardboard, and newspapers. By preferring dark, often cluttered areas to live and breed, silverfish can be tricky to control. While few "silver bullets" truly exist for eliminating silverfish permanently, there are a few simple tips that may increase your chances of managing them.

- Reduce or eliminate clutter - This eliminates harborage sites for silverfish to hide and reproduce!
- Store paper products in sealable plastic containers - No food means no reason to stay!
- Reduce humidity - Silverfish need high humidity to survive. Reporting leaks or moisture concerns can make big a difference in controlling pest issues.

- Report problems to your school pest management professional - Keeping your resident pest management professional informed can mean catching a problem early before it becomes more difficult to control!



To find more tips for treating silverfish, click [here](#). For hands on training on this, and many other occasional invaders, see our [training opportunities](#) below! As always for more information on pests or on developing an IPM program please visit our [website](#).

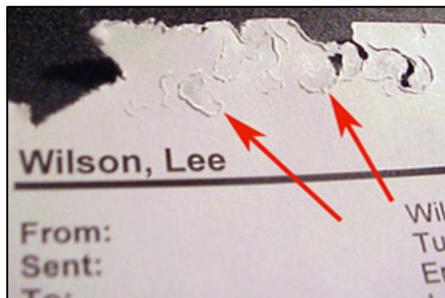
## Pest ID: Silverfish



Adult silverfish.



Adult. Photo: oceanfrontpestcontrol.com



Silverfish damage. Photo: Greg Baumann



Silverfish Damage. Photo Courtesy of UNIVAR

## Training Opportunities

### Foundations of Termite Management

- 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: Jan 30-Feb 1, 2013; W-F**

**Place: UF/IFAS Apopka MREC**

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

**Cost: \$350**

### **Registration Form**

#### **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**

**Place: UF/IFAS Apopka MREC**

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

**Cost: \$350**

### **Registration Form**

**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**

**Place: UF/IFAS Apopka MREC**

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

**Cost: \$195**

### **Registration Form**

## News!



We hope you will submit news items and would be happy to help you write a story if you have an idea but don't have the time to write up the information. This newsletter will be published as content arrives, please keep the information flowing! Please send news items to **Michael Bentley**.

Visit our website for back issues of **Florida School IPM News**. You can scan the QR code on the right with your smart phone or tablet to get there faster. You will need a QR code reader!