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Past Issues

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Online Training Available:

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

Pest Management in and Around Structures:

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

School IPM Focus- Summer IPM Series

The reduced building traffic during summer break makes this the perfect time of year to focus on building maintenance essentials. Over the next three months, Florida School IPM News will focus on exclusion as an IPM tool and improving your **building envelope**. The **building envelope** encompasses the elements of a building that enclose air conditioned areas. In the context of a school, this would specifically refer to any entry points of the building such as windows, doors, ventilation points and places where the plumbing and electrical pipes go through the walls or the floor. Keeping a well-maintained building envelope is an essential part of any IPM program. This not only improves the energy efficiency of a building, but also plays a vital role in excluding pests.

At the start of the 2013-2014 school year, we would like to launch a "Fix the Building Envelope" campaign. In preparation, **we need your input!** Let us know what you think about the draft logo (right). Can you use it as an opportunity to promote the importance of facilities maintenance in human and environmental health? Want to assess your school's building health in terms of IPM? Use our Florida School IPM Checklist in the **Welcome Packet** on our website. We would welcome your thoughts on the logo and the 2013-2014 "Fix the Building Envelope" campaign. Email Faith with comments: foi@ufl.edu



Sealing your Building Envelope

Ensuring your building envelope is properly maintained is an ongoing task and should be incorporated in your daily operational activities. A top priority in this process is to inspect primary entry points such as doors and windows for air or water leaks. Approximately 10-20% of a building's energy can be saved annually by properly maintaining air seals around entry points and other openings. On-going maintenance contributes significantly to pest exclusion.

Different entry points may require different methods of sealing. Below are some tips and guidelines on appropriate sealing methods and materials when addressing thresholds. For additional information regarding weatherproofing, [click here](#).

Door Sweeps and Weather-Stripping

- Used to seal large gaps, and movable joints like those around doors and windows
- Should be inspected annually (this summer is a great time to start)
- Improper installation of door sweeps and weather stripping will allow air or light to pass through (Fig 1)

- Old/worn weather stripping may no longer hold its original shape (Fig 2)
- Weather stripping should extend the entire length of the opening, and be slightly larger than the gap it is filling to ensure a proper seal
- Material will vary depending upon installation requirements (Fig 2)



Fig 1. Air gap in doors.



Fig 2. Worn and improperly installed weather stripping.
Photos: Mike Bentley

Caulking and Sealants

- Used to seal smaller interior and exterior stationary gaps around entry points and to fill space around plumbing and electrical pipes
- Should be inspected annually
- Always apply to a clean, dry surface
- Should be applied continuously, and fill gaps completely (Fig 3, 4)
- Caulking compounds vary greatly in color, function, and property
- Using the wrong caulking material may result in a sealant failure

Due to the variety of sealant options, it is important to ensure the materials chosen are in compliance with the State Requirements for Education Facilities (SREF) guidelines. To access these guidelines [click here](#).



Fig 3. Old caulking.
Photos: Mike Bentley



Fig 4. Gap in caulking bead.

Get your CEUs today! Special School IPM Online Offerings

If you only need a couple of CEU hours, try our online offerings:

The ABCs of IPM is available in **English** and **Spanish**. The ABCs of IPM video set is a comprehensive training program for school employees and anyone interested in the basics of IPM in schools.

CEUs: 2 CORE

Cost: \$20

Online, available anytime

Good Neighbor Practices

This module will introduce you to the way we measure pesticide drift. Pesticide drift can happen when chemicals applied on one area move to another area. This movement can be the chemical as it is volatilizing or can be on dust particles that are being blown to another area. Once you learn about drift we will talk about people's perceptions of drift and how you can work to increase your communication with your neighbors and minimize the change of drift around schools. When you are finished watching the tutorial you will be given a 10 question quiz on the material. If you score an 80 on the quiz you will be able to print an FDACS CEU form that you can use the next time you renew your pesticide applicator license. If you do not score an 80 we would encourage you to review the module again and retake the quiz (for no additional charge).

CEUs: 1 CORE

Cost: \$10

Online, available anytime

Mid-Year Training Supplement:

We are in the final offerings of PMU for the year. Sign up early before classes are full! Basics courses and Bed Bug Management course are only one day and a great way to meet part of the Florida Statute 482 requirement for 40 hours of training for new technicians! ***We highly recommend that anyone doing IPM in schools attend at least the GHP Foundations course to maintain your***

certification and understand how pest problems can be avoided.

Classes cap at 20 participants, including Masters and Expert levels. Master level classes are only offered once a year. Expert level classes are offered every other year. If you plan on taking the [State Certified Operator examination](#) through PMU, please submit your applications by:

Sept 16 for the Oct 18 PMU [State Exam](#) for GHP

(Write "**PMU OCT GHP**" on the top line of the state application)

Oct 13 for the Nov 15 PMU [State Exam](#) for Termite and WDO

(Write "**PMU NOV WDO**" on the top line of the state application)

Summary of hands-on courses:

Click on highlighted course titles for more information or to register.

Jun 28; [Bed Bug Management, deadline June 21 \(Friday\)](#)

July 11, [GHP Basics](#)

Sept 4-6, [Termite Foundations](#) (last one for 2013)

Sept 18-20, [Foundations of Turfgrass Pest Management](#)

Sept 25-27, [GHP Foundations](#) (last one for 2013)

Oct 2-4, [Foundations of Tree and Shrub Pest Management](#)

Nov 6-8, [Foundations of Turfgrass Pest Management](#)

Must advance through Foundations to qualify for these courses:

Oct 16-18; [GHP Masters](#)

Oct 18; 1 pm; GHP state exam (must also meet state requirement, write "PMU" on application)

Nov 13-15; [Termite Masters](#)

Nov 15; Termite and WDO exam (must also meet state requirement; write "PMU" on application)

Dec 18-20, [Master of Turfgrass Pest Management](#)

Must advance through Foundations and Masters for qualify for this course

Dec 4-6; GHP Expert

JUNE OFFERINGS

Bed Bug Management 102

This intensive course in bed bug management covers non-chemical and chemical methods of control, including a brief overview of fumigation. Learn about bed bug biology and behavior in relation to resistance management. Practice inspection techniques at PMU's house and observe a canine inspection. ***Counts as part of the 40 hour training requirement for new technicians listed in Florida Statute 482!***

Date: June 28, 2013; Friday

Registration Deadline: June 21, Friday

Place: UF/IFAS Apopka MREC

Time: 8 AM-5 PM

Cost: \$150

[Register here](#)

JULY OFFERINGS

GHP Basics 100

This one-day class is geared for the new technician, sales or office staff. ***Counts as part of the 40 hour training requirement for new technicians listed in Florida Statute 482!***

- Learn about the general Florida Statute 482 requirements for technicians and sales
- Learn the basics concepts Integrated Pest Management
- Learn how to monitor and make decisions about treatment

Learn how food sources, harborage, and water sources play a role in infestation and management using ants and cockroaches as examples.

Date: July 11, 2013; Thursday

Registration Deadline: July 5, Friday

Place: UF/IFAS Apopka MREC

Time: 8 AM-5 PM

Cost: \$150

[Register here](#)

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. We like to share news and video when it happens using our social media outlets- **Twitter**, **Facebook** and **YouTube**. When you send news we will post it on one or more of these sites and again in the monthly newsletter. Feel free to send news or announcements as soon as they happen and we will post them. We hope this will get you more visibility. 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!