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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

PMU Focus - Ready for Swarm Season?

While the rest of the U.S. is frozen over, the industry in Florida is preparing for termite swarm season! While thinking about what kind of new material to include in our PMU courses, I read an article titled "Global genetic analysis reveals the putative native source of the invasive termite, *Reticulitermes flavipes*, in France." *Reticulitermes flavipes* is a native termite to the U.S. (which is why it is grouped with other *Reticulitermes* and collectively called the "native sub" in the U.S.), but considered invasive in France. In the last few years, it was concluded that France's *R. santonensis*, was in fact *R. flavipes*! Molecular genetics has advanced tremendously and is providing significant insight into how invasive pests make their way around the globe. The authors of the "Global genetic analysis" paper determined that the *R. flavipes* in France likely can from the southeastern U.S. Louisiana to be exact.

The article made me think about how invasive species can become established and how we can better inspect for them.

Invasive termite species share the following characteristics. They:

- Use wood for food
- Nest in their food
- Have a high capacity to generate secondary reproductives

Other facts:

- 85% of invasive species belong to the families Kalotermitidae (i.e., drywood and dampwoods) and Rhinotermitidae (i.e., subterranean)
- 58% of invasive species belong to 3 genera: *Cryptotermes* (drywood), *Heterotermes* and *Coptotermes* (subterranean)

The pest control industry has been instrumental in finding and reporting newly introduced species. In the next couple of issues, we will cover inspection tips, evidence and signs of termite infestations.

Around Structures

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



Fig. 1. Subterranean termite tube at PMU House back door. Mud tubes are evidence of subterranean termite infestation.

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Upcoming Training Opportunities

2014 Termite, GHP and L&O training available! Price increase after Feb 1. Register now!

Click on links for course descriptions or go to <https://pmu.ifas.ufl.edu/>

L&O Category

Feb 29-31, 2014, [Turf Foundations](#), doing turf work? This is a must have course. Please contact Dr. Eileen Buss (eabuss@ufl.edu, (352) 273-3976) directly with questions

concerning this course.

WDO category

Mar 13-14, 2014, [WDO Inspections and Form 13645](#)

April 23-25, 2014, [Termite Foundations](#)

July 30, 2014, [Termite Basics](#). Anyone in sales, office management, or brand new to the industry, this is the course for you.



Fig 2. How do termites exploit these elements to infest structures and how can you treat it? (Termite Foundations, Jan 29-31, 2014)

GHP Category

Feb 26-28, GHP Foundations, **FULL, CLOSED**.

May 28-30 2014, [GHP Foundations](#). This is a must have course for IPM implementers.

July 31, 2014, [GHP Basics](#) . Anyone in sales, office management, or brand new to the industry, this is the course for you.

Learn more from IFAS



- UF/IFAS has Extension Offices in each of 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 an office near you please visit:
<http://solutionsforyourlife.ufl.edu/map/>