

Hello school IPMers and interested others,

Welcome back! In 2008 you will find us expanding the University of Arizona's Urban IPM efforts in some exciting ways, and reaching out to yet more of Arizona's residents and neighbors. As always, please let us know if you have suggestions or needs and we will do our best to meet them.

Below is the January school IPM monthly update. We wish you all a happy and healthy 2008!!

### **NEED BUGGY SUPPLIES...?**

- \* If you're not familiar with it already, **BioQuip Products, Inc.** has everything you could need for identifying arthropods. From detailed bug and plant guides to hand lenses, microscopes, and even K-12 classroom materials – they've got it. Check out their website and online catalog: <http://www.bioquip.com> or call to have one mailed (310) 667-8800.
- \* **Target Specialty Products** is a resource many IPM managers are familiar with. If you are looking for traps, baits, or a wide range of equipment for structural pest management, check out the Target Specialty Products website: <http://www.target-specialty.com/>. They also have a quarterly newsletter, "BioFiles", for pest managers.

### **YOU ASK... WE PROVIDE (OR FIND!)**

Several of you at the November 2007 ACE Health Coalition meeting asked for comprehensive information on pigeon management. Non-native to the United States and primarily nuisance pests in urban areas, pigeons rely on humans to keep them fed, hydrated, and sheltered. They exhibit extreme site fidelity, and once a breeding population becomes established in association with a building, it requires skill and persistence to manage. **Pigeon management information** can be found on the eXtension web pages (a national University Extension resource): <http://www.extension.org/pages/Pigeons>. Let us know if you have any questions that are not answered there, or even feedback on this new online resource which we are involved in bringing to the public!

If you'd like to hear first-hand accounts on the do's and don'ts of pigeon management and netting installation, we can put you in touch with IPM Specialists in Arizona who have successfully dealt with pigeons and doves – consulting with a colleague could save you significant time and money!!

### **STUDY ON COCKROACH ALLERGENS COMPARES PEST MANAGEMENT PRACTICES...**

A study on reduction of cockroach allergens was conducted in multi-unit dwellings in inner-city locations in North Carolina. It compared two cockroach management styles: that of North Carolina State (NC State) entomologists and commercial operators. German cockroach infestations in homes were successfully reduced 99-100% over a 12-month period by NC State researchers, who used five applications of reduced toxicity gel bait guided by monitoring trap data. Commercial operators achieved an 83% reduction in cockroach numbers over the same period using from four to 12 visits and various combinations of pesticide applications (baits, sprays and dust formulations). Monitoring traps were not used by the commercial operators in this study.

**Who achieved greatest cockroach allergen reduction and why...?**

- ✓ NC State-treated homes experienced more successful allergen reduction. Cockroach allergens in kitchens, for example, were reduced by 91%, while commercial operators achieved a 35% reduction in kitchens.
- ✓ The NC State strategy is thought to be more successful in cockroach and allergen reduction due to "...cockroach monitoring that guided bait placement...types of pesticides used, and the schedule and intensity of treatment," the study said. The NC State strategy also used monitoring traps throughout the home and treated as conditions required.
- ✓ The commercial operators in this study did not use monitoring traps to guide their cockroach management efforts. They also targeted the majority of treatments in the kitchen and bathrooms, thus allowing opportunity for cockroach numbers to build in other rooms.

For more details, the complete study is available in the October 2007 issue of Journal of Allergy and Clinical Immunology. Let Dawn or Jen know if you'd like to have it forwarded.

**LITERATURE AVAILABLE ON IPM OR PESTICIDES IN ENGLISH AND SPANISH...**

**Attached** are three EPA documents (both English and Spanish versions), which explain safety protocols for children/pesticides risk avoidance. For more information, or additional documents that may aid you as pest managers and educators, please visit the EPA's Pesticide Programs website: [www.epa.gov/pesticides](http://www.epa.gov/pesticides). You can also call the National Pesticide Information Center at 1-800-858-7378.

The American Academy of Nurse Practitioners and others created a booklet with text and comic-book style illustrations on pesticide safety for pregnant, Spanish-speaking women. The file is in Adobe Acrobat and is a 3 MB file – please let us know if you'd like to have it e-mailed.

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