



## BUILDING A FRAMEWORK FOR HEALTHY HOUSING

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# Integrated Pest Management in Public Housing Challenges and Results

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IPM Training in Public Housing



2008 National Healthy Homes Conference ❖ September 15-17, 2008 in Baltimore, MD

## Overview

- I. Project Description
- II. Boston's Success
- III. Materials Overview



## Interagency Agreement

U.S. Department of Agriculture's Cooperative State  
Research, Education, and Extension Service  
through the Northeastern IPM Center

and

U.S. Department of Housing and Urban  
Development's Office of Healthy Homes and  
Lead Hazard Control Healthy Homes Initiative



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3

## Objectives

- λ Review and refine IPM training materials.
- λ Develop, pilot, and deliver a Train-the-Trainer Training (T4).
- λ Develop, pilot, and deliver Maintenance Training.
- λ Develop a Resident Training.
- λ Build the capacity of the Regional IPM Centers to support IPM training.



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4

## Building the IPM Team

- λ Pest Control Companies
- λ Resident Councils
- λ Conventional Public Housing Staff
- λ Conventional Public Housing Residents
- λ Executive Directors
- λ Inspectors
- λ RFP and Contract Writers



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5

## Delivery

At least...

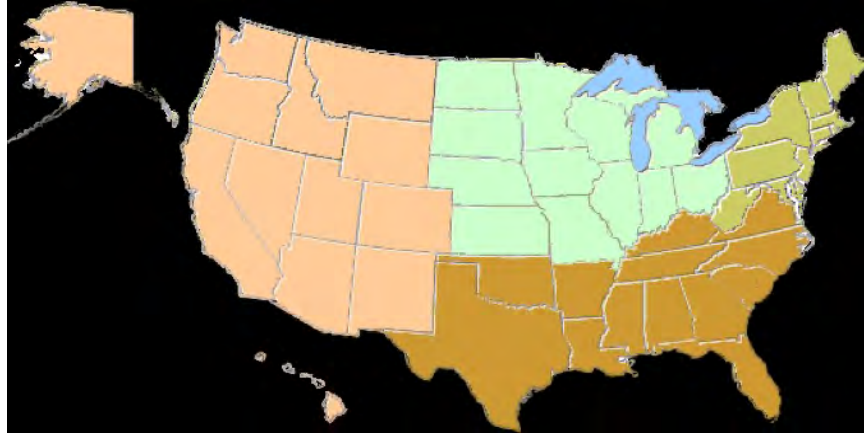
- 4 T4 Trainings
  - Every trainer has T4 Training
- 12 Maintenance Trainings throughout the 4 USDA Regions
  - Minimum of 15 attendees per session
- 1 Pilot Resident Training
  - PHAs responsible for delivery



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6

## The 4 USDA Regions



## Year One: 2008

- Collaborating with EPA, CDC, NPMA, HUD, USDA, PA IPM, NCHH, and the Regional IPM Centers
- Revising the Maintenance Training
- Arranging training dates with PHAs

## 2009-2010

- Hold T4 and Maintenance Trainings
- Develop and deliver Resident Briefing DVD and kits
- Set up support networks for PHAs implementing IPM
- Plan for continued training



## Replicating Boston's Success

- λ Educate staff and residents
- λ Involve staff, residents, and contractor in pest control
- λ Award performance-based contracts
- λ Notify residents of service
- λ Require residents prepare their units for service
- λ Use an IPM log in each building
- λ Follow-up on work orders within two weeks
- λ Hire peer educators



## T4 Preview

- Trainees: urban IPM experts
- Location: centralized to bring a region's trainers together with minimal travel
- Content:
  - Maintenance training curriculum
  - Contract writing
  - Hands-on practice
  - Suggestions for improving the Maintenance Training



## Resident Briefing Preview

- Trainees: residents
- Location: PHA
- Content:
  - IPM for
    - Cockroaches
    - Rodents
    - Bed Bugs
    - Other Regional/PHA-Specific Pests
  - How to use the IPM tools provided in kit
  - Preparing the unit for treatment
  - Roles and responsibilities for pest control



## Resident Briefing Preview

### Pests trigger asthma attacks, spread disease, and are not welcome in your home.

With your help, we can use Integrated Pest Management (IPM) to get rid of the pests.

Successful pest management depends on you doing your part.

- Keep food and water away from pests, especially at night.
- Keep your food in sealed containers.
- Put your trash IN the dumpster daily.
- Keep your home clean and uncluttered to be sure pests don't have places to live or hide.
- Place a work order for any repairs that your unit needs. The staff at this development will fix holes that let in the pests.
- Let the pest management professional know where you have seen pests—leave a note if you aren't going to be at home.
- Don't spray pesticides! The exterminator has something better, but it won't work if you spray. The exterminator uses baits, gels and traps to get rid of pests.



### Before the Pest Management Professional comes:

- ◆ Make it so that the bait is the only stuff for roaches to eat when they come out at night.

Clean your apartment well: vacuum, sweep & mop all floors, clean in and around appliances, and use a trashcan with a lid.

Clean out cabinets with products that don't have a strong smell - *These chemicals make the bait not work.*

Wash dishes every night and don't leave water in the sink - *Roaches will die if they don't drink for 1 week.*

If you have a pet, put away their food after they are done eating - *Roaches and mice love pet food.*

- ◆ DON'T use any bug sprays or foggers in your unit - *These chemicals make the bait not work.*

- ◆ Don't let the roaches hide. Organize things in your home. If you don't need it, throw it out!—

*Traps and bait need to be put in corners where the roaches hide.*

- ◆ Clean up after pests with soapy water. *This will get rid of the stuff that triggers asthma and allergies.*



**We can GET RID OF THE PESTS THAT ARE MAKING YOU AND YOUR KIDS SICK,  
but ONLY with your help!**

13

## Maintenance Training Preview

- Trainees: the IPM team
- Location: PHA
- Content:
  - IPM for
    - Cockroaches
    - Rodents
    - Bed Bugs
    - Other Regional/PHA-Specific Pests
  - How to select and use the least toxic tools
  - Facilitate a team-based approach to pest control



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14

# Maintenance Training Preview

*Times may be adjusted to accommodate participant needs.*

- 8:30 Preview of the Day
- 9:00 Introductions
- 9:15 Cockroaches
- Break
- 10:30 IPM
- 11:15 Indoor Demonstrations
- 12:15 *Working Lunch: Look over the IPM Checklist*
- 1:00 Video: [IPM: A Real Solution to Pest Problems for property management and staff](#)
- 1:15 Roles and Responsibilities Panel
  - Pest Management Professional (PMP)
  - Property Manager
  - Resident Support Services
  - Housekeeping
  - Maintenance
  - Resident
- 1:45 Rodents
- 2:30 Outdoor Demonstrations
- Break
- 3:45 Bed Bugs
- 4:15 Review Jeopardy
- 4:45 IPM Test & Course Evaluation
- Adjourn

# Maintenance Training Preview

## How will you fight pests now?





## Maintenance Training Preview

### The result of the team approach

- An inspection and monitoring system that finds pests.
- A reporting system that identifies areas of improvement.
- Units that are prepared to get an effective treatment.
- Communication that empowers all.
- Fewer pests and a healthier environment.

8



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17

## Maintenance Training Preview

### What is a bed bug?

- A blood-sucking insect
- Most active at night
- Usually feed at night

Adult bed  
bug feeding  
on a human



3

### Placement is key

Against the wall where  
rodents travel  
(edge of trap must  
touch the wall)



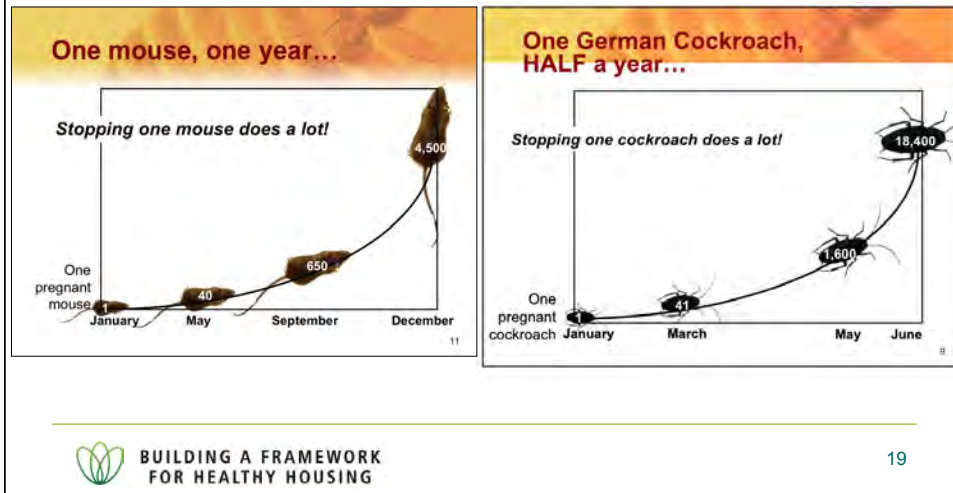
26



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18

## Maintenance Training Preview



## Get Involved

View trainings at <http://northeastipm.org/publichousing/publichousingdocs.htm>

Contact [stoppests@cornell.edu](mailto:stoppests@cornell.edu) to suggest...

- Resources
- Funding sources for PHAs
- Training sites
- IPM experts to train PHAs



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20