StopPests in Housing Program
www.StopPests.org

IPM in Affordable Housing

2013 OH Lead and Healthy Homes Conference
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Pest control in affordable housing:
a wicked problem
(Rittel & Webber, 1973)

It may also be framed as a social mess (Horn, 2007):
• No unique “correct” view of the problem;
• Different views of the problem and contradictory solutions;
• Most problems are connected to other problems;
• Data are often uncertain or missing;
• Multiple value conflicts;
• Ideological and cultural constraints;
• Political constraints;
• Economic constraints;
• Often a logical or illogical or multi-view thinking;
• Numerous possible intervention points;
• Consequences difficult to imagine;
• Considerable uncertainty, ambiguity;
• Great resistance to change; and
• Problem solvers are out of contact with the problems and potential solutions.

Solving wicked problems

• A collaborative approach: all stakeholders are engaged in order to find the best possible solution for all.
• Key advantages include
  – higher stakeholder commitment,
  – more comprehensive and effective solutions, and
  – fewer resources having to be used by any one stakeholder.
• Key disadvantages include increased
  – transactions costs and
  – the fact that the skills of collaboration are in limited supply.

We can all come together to Stop Pests

Healthy housing
• Reduction in indoor allergens
• Reduction in pests
• Reduction in pesticides
• Least risk chemicals
• Safe and decent housing
• Public health

• Bed bug management that is effective both in terms of budget and controlling the pest property-wide
• Making a profit in the affordable housing market
• Reduce the risk of staff members bringing home pests
• Increasing the quality of services sought by and offered to affordable housing

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### Integrated Pest Management (IPM)

1. **Inspect and monitor**
2. Identify what’s found
3. Determine the scale of response
4. Respond
   - Nonchemical control
   - Change people’s behavior
   - Chemical control
   - Biological control
5. Evaluate effectiveness

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### Know the enemy

- Access
- Food
- Water
- Shelter

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### Broad goals

- Reduce pest infestation—Allocate pest control time and resources to solve pest problems in focus areas using the steps of IPM.
- Reduce the risk of pest infestation—turn units over so that they are pest-free and sealed up, continue to educate staff and residents.
- Aim for early detection and rapid response—continue to monitor and inspect.

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### Goal

To improve pest control in affordable housing by teaching everyone who works, lives, and plays in housing how to use integrated pest management.

### Mission

To eliminate high-level infestations of public health pests from affordable housing.

### Call to Action

Prevent pests, promote health.
StopPests in Housing Program

www.StopPests.org

2007-2012 StopPests Outputs and Impacts

• Developed trainings
• Trained trainers
• Trained/supported Public Housing Authorities
• Funded peer educators
• Networked with associations and work groups
• Produced pertinent educational materials
  – www.stoppests.org
  – StopPests Blog
  – Bed Bug Protocol
  – IPM: A Guide for Affordable Housing

StopPests in Housing Program
IAA between USDA and HUD through the Northeastern IPM Center

• Actively work to eliminate documented obstacles to IPM in affordable housing;
• Develop and replicate an IPM implementation process for housing providers to follow;
• Coach at least 70 housing providers through the process; providing—as needed—pre-training guidance, on-site training, and post-training technical assistance; and
• Evaluate IPM in the participating housing communities and gather the data needed to assess a return on investment (ROI) of the Center’s efforts.

notes!
Remember!
After you cooking or eating
The foods please! Cleanup
Everything in the kitchen!
To be look good and for
Protect to the cockroach
Also! The otherwise don’t!
Forget turnoff the stove too
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Getting StopPests involved

1. E-mail StopPests@cornell.edu
2. Name a pilot site and IPM coordinator
3. Work with StopPests on realistic goals
4. Meet minimum requirements
5. Hold an on-site IPM in Multifamily Housing Training
6. Continue to work with StopPests

IPM resources

HUD Notices
- PIH 2011-22: Promotion of Integrated Pest Management (IPM)

Websites
- StopPests in Housing Program www.stoppests.org
- The National Center for Healthy Housing: www.nchh.org
- NH OneTouch: www.dhhs.state.nh.us/dphs/bchs/clop/documents/hhetouchform.pdf
- The National Pesticide Information Center: www.npic.orst.edu