

IPM and Pesticide Use

The background of the slide features a close-up, slightly blurred image of a bee on the left and a fly on the right, set against a warm, yellow-orange gradient. The bee is positioned in the upper left quadrant, and the fly is in the upper right quadrant. The overall aesthetic is clean and professional, with a focus on agricultural or environmental themes.

Outline

- HUD's guidance on IPM
- IPM in practice
- Pesticides

Making homes healthy

- IPM is part of a nationwide Healthy Homes movement to reduce housing-based health hazards.
- A healthy home is:
 - Dry
 - Clean
 - Ventilated
 - Safe
 - Contaminant-free
 - Maintained
 - **Pest-free**



What does HUD say about pest control?

HUD has three core programs for pest control

- Housing Quality Standards for Section 8—Housing Choice Voucher property.
- Public Housing Standards.
- Special Guidance on Integrated Pest Management.



HUD's Housing Choice Vouchers

Housing Quality Standard (HQS)

- The dwelling unit and its equipment must be free of vermin and rodent infestation. (m)(2)
- The site and neighborhood may not be subject to serious adverse environmental conditions, natural or manmade, such as . . . vermin or rodent infestations. (l)(2)
- The exterior wall structure and surface must not have any serious defects that may result in air infiltration or vermin infestation. (g)(2)

HUD's Conventional public housing

Resident Survey Questions

- How often, if at all, are rodents and insects indoors a problem in your development?
- How often, if at all, have you had a problem with rodents and insects indoors?

HUD's conventional public housing

Physical Survey Questions

Presence of rats or severe infestations of mice or insects (cockroaches, termites) observed.

- Insects
 - Frass, shells, or other evidence
 - One or more live cockroaches
- Rats, mice, or vermin
 - Droppings or chewable holes
 - One or more live rats or mice
- Other insects or vermin observed

HUD's Project-based Section 8 Properties

Mark-to-Market Program

- Section 8 Properties participating in the Mark-to-Market (M2M) program must have an IPM inspection as part of its Physical Condition Assessment.
- M2M participants must adopt and follow an IPM plan to qualify for funding from HUD's Green Incentives Program.

HUD's voluntary guidance on integrated pest management

- PIH guidance since 2006 (PIH 2008-24 (HA))
- “Offers the potential efficacy of pest elimination while protecting the health of residents and staff.”
- “Will extend the useful life of property and, thereby, generate significant savings that offset costs of the pest control operations.”
- “Effective in preventing moisture intrusion and accumulation.”
- In the reference section of your manual.

Federal housing must comply with local housing codes

Typical local housing code

- All structures shall be kept free from insect and rodent infestation.
- All structures in which insects or rodents are found shall be promptly managed by approved processes that will not be injurious to human health.
- Proper precautions shall be taken to prevent re-infestation.

IPM does more than control pests

- Educating residents empowers them to improve their housekeeping and provides a marketable skill.
- Fixing pest entrances helps to weatherize buildings and keep them dry.
- Monitoring for pests allows for early intervention before the problem gets out of hand.
- When people learn that they can do something to improve their living conditions, expectations for pest control will rise!

IPM in practice: Documentation is key

One IPM log in each building.

Record:

- date
- detailed observations
- action taken

Make sure action is taken promptly.



IPM in practice: An IPM log

Problem			Solution		
Date	What's seen?	Initials	Date	What's done?	Initials
4/4/08	Door sweep broken	AAT	4/7/08	New door sweep installed	CAP



At first more work, but then less

- Starting an IPM program may mean more work because of education, repairs, and monitoring.
- Expect to see increased work orders as pests and pest-friendly conditions that were previously overlooked are reported.
- THEN...you will get fewer complaints, have fewer pests, and be providing a better place to live.



Another view

- **Invest**
time and materials for repair and education.
- **Protect**
through exclusion, sanitation, and careful product choice based on least risk to human health and the environment and compatibility with other management practices.
- **Maintain**
with monitoring, communication, and documentation so that infestations do not grow.

Pesticides



Why do people tolerate exposure to pests and pesticides?

- They are used to living with problems
- Low standards for pest control and maintenance
- Other priorities
- Not aware of the problems
- Cannot envision a better way

Routine spraying of pesticides is not the only option

We've learned a better way.



Routine baseboard spraying is not part of IPM.

Concerns with pesticides



- Pests can become tolerant of or avoid pesticides.
- Risk from exposure may outweigh the benefit of killing pests.
- Possible harm to pets and wildlife.
- Certain populations may be especially vulnerable or sensitive to some pesticides:
 - Elderly; children; pregnant women
 - People with breathing or lung disorders such as asthma
 - People with multiple chemical sensitivities

How to handle illegal and risky pesticides



Unlabeled Mothballs

Chinese Chalk

Tres Pasitos

Products without a pesticide label are illegal.

- Educate residents on the dangers of using illegal pesticides. For example, pesticides that look like candy are risky.
- Report illegal sales to the EPA or to the state pesticide licensing agency.

Total release foggers (there's a reason they're called bombs!)



Pesticide risk by application method

Less risk of exposure



More risk of exposure

Tamper-resistant station

Gel bait in a crevice

Total release fogger

How to read a label

- Product name
- Active Ingredients
- Signal words:

CAUTION = slightly toxic

WARNING = moderately toxic

DANGER = severe skin or eye irritation

DANGER-POISON = highly toxic



How to read a label

- Registration number: “EPA Reg. No.”
- Precautionary Statements
- Directions for:
 - Use
 - Storage
 - Disposal



Product use and emergencies



National Pesticide Information Center

800-858-7378

www.npic.orst.edu

Poison Control Center National Hotline 800-

222-1222

www.aapcc.org



Questions?