


Session One of Integrated Pest Management for Multifamily Housing




www.StopPests.org

Find handouts for today's session at:
<http://stoppests.org/go/onlinecourse>

While we wait,
please tell us in the
chat:
What's your
name?
Where are you
from?

Session One of Integrated Pest Management for Multifamily Housing



www.StopPests.org

- StopPests is a program of the Northeastern IPM Center of Cornell University, funded by HUD's Office of Lead Hazard Control and Healthy Homes.
- Training content is research-based.
- Products, vendors or commercial services pictured or mentioned are illustrative, not endorsements.

Session One of Integrated Pest Management for Multifamily Housing


United States Department of Agriculture
National Institute of Food and Agriculture


www.StopPests.org


National Center for
Healthy Housing


IPM


Regional
IPM
Centers


CDC
CENTERS FOR DISEASE
CONTROL AND PREVENTION

Session One - Meet Your Host



STOP
Pests
in housing
www.StopPests.org



- Session One Introduction
- Session Two Cockroaches
- Session Three Rodents
- Session Four Bed Bugs

- Priority Pests
- Why IPM
- Pesticides & Health


- What they are
- Associated Health Hazards
- What they eat & drink
- Where they live
- Prevention & Control



STOP
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Session One Introduction

- Priority Pests
- Why IPM
- Pesticides & Health

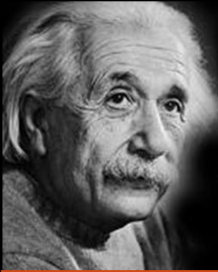


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Session One - Meet Your Trainer




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"Insanity is doing the same thing over & over again & expecting different results."

Albert Einstein

Is "exterminating" working?



Think about "Pest Management"

Rather than Exterminating.

**The “Exterminator” is now a
Pest Management Professional (PMP)**



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**Poll: What is the most troublesome pest in
your housing?**

- Cockroaches
- Mice
- Rats
- Bed Bugs
- Other

Select one answer. If you said “other,” please enter in
the chat.

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**Three
Priority
Pests**

- Cockroaches
- Rodents
- Bed Bugs

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Three Priority Pests

- Cockroaches



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Three Priority Pests

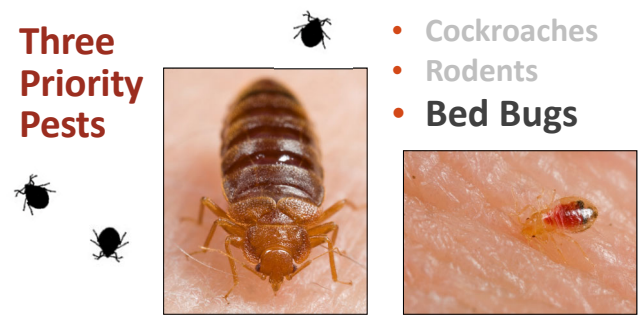
- Cockroaches
- Rodents
- Bed Bugs



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Three Priority Pests


- Cockroaches
- Rodents
- Bed Bugs



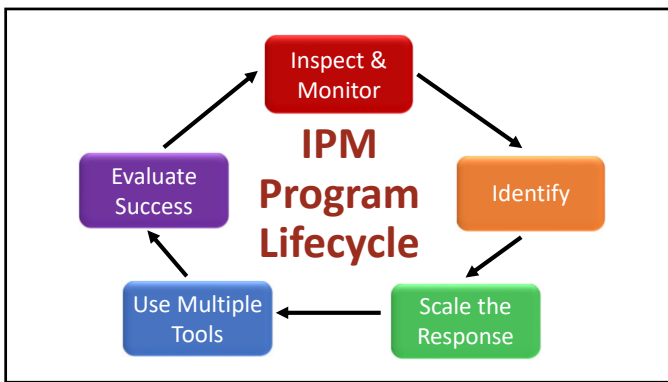
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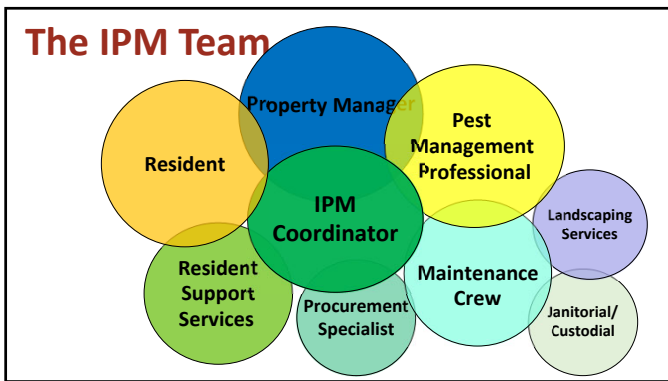
Three Priority Pests

- Cockroaches
- Rodents
- Bed Bugs



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Poll: Who coordinates pest control at your worksite?

- IPM Coordinator
- Building/property manager
- Building Super or Head of maintenance
- It's team effort
- I don't know
- The pest control professional

Select one answer.

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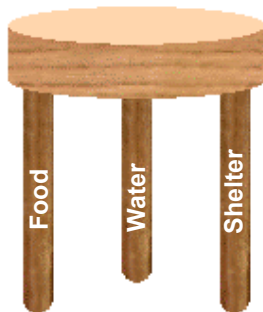
Benefits of IPM

- Cost savings
- A healthier building
- Fewer complaints
- Fewer pests

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What all pests need

- Food
- Water
- Shelter



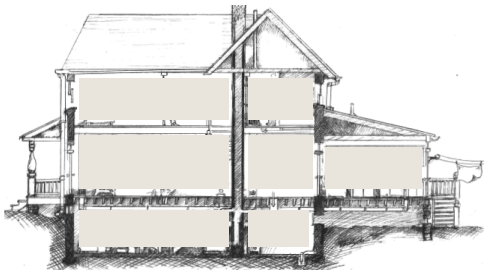
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Think Like a Pest



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Think Like a Pest



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Thorough Inspection Look Under & Behind



Thorough Inspection – Look Under and Behind



IPM Practice

Please chat!
Examine each
photo, then tell
us:

- What's the problem here?
- How would you fix it?
- Who is responsible?

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Healthy Homes & IPM

What is "Healthy Housing?"

Healthy Housing is designed, constructed, maintained, and rehabilitated in a manner that is conducive to good occupant health.

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Healthy Homes & IPM

To reduce housing-based health hazards, "keep it":

1. Keep it Dry
2. Keep it Clean
3. Keep it Ventilated
4. Keep it Safe
5. Keep it Contaminant-Free
6. Keep it Maintained
7. Keep it Thermally-Controlled
8. Keep it Pest Free

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What does HUD say about pest control?



• HUD is committed to IPM as a pest control strategy.



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What does HUD say about pest control?



HUD's promotion of IPM complies with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)



- *"Federal agencies shall use Integrated Pest Management techniques in carrying out pest management activities, and shall promote Integrated Pest Management through procurement and regulatory policies, and other activities."* 7 USC 136r-1

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What does HUD say about pest control?



Real Estate Assessment Center (REAC)

- **Deficiency:** Evidence of rats, mice, cockroaches (droppings, holes)
- **Infestation:** Live roaches, mice or rats; more than one dead roach



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What does HUD say about pest control?

- Uniform Physical Condition Standards (UPCS)
- Housing Quality Standards (HQS)



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What does HUD say about pest control?

- Uniform Physical Condition Standards (UPCS)
- Housing Quality Standards (HQS)



Quotes from these provisions:

- Structures shall be kept free from insect and rodent infestation
- Where...insects or rodents are found... promptly managed by approved processes... not injurious to human health
- Proper precautions to prevent re-infestation

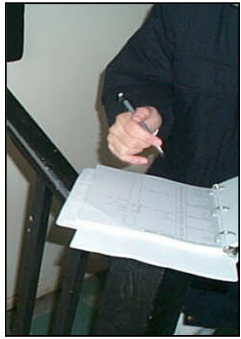


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Documentation is key

One IPM log in each building to:

- Track pest population
- Identify focus units
- Ensure prompt action



Find sample documents at stoppests.org

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Documentation is key

Have a system that is available and accessible to everyone who needs the information

- Manual (paper)
- Electronic



Find sample documents at stoppests.org

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What's in the IPM log?

- All documents related to pest management
- Information from HUD inspections related to IPM
- Schedules, Notifications, Product Info, Licenses, etc.

Find sample documents at stoppests.org

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What's in the IPM log?

Other forms to include in the IPM Log include:

- Service schedule
- Applicator licenses
- Proof of insurance and business registration
- Potential notifications/ preparation instructions
- Contract/service agreement (Review regularly!)

Find sample documents at stoppests.org

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What's in the IPM log?

Examples of Log Entries include:

- Locations of any traps and bait stations that are placed
- Notes about resident cooperation for follow up by resident services
- Notes about needed repairs for follow up by maintenance staff.

Copies of work orders will need to be filed, as well.

Find sample documents at stoppests.org

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Poll: Does your organization have an IPM Log?

- Yes, contains all of these documents
- Yes, contains some of these documents
- No
- I don't know

Select one answer.

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Poll: What form is your organization's IPM Log?

- Electronic – all on the computer
- Paper
- Some electronic, some paper
- I don't know

Select one answer.

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At First

- More Education, Repairs, and Monitoring
- Increased Work Orders
 - Pests and pest-friendly conditions that were previously overlooked are reported

At first more work, but then less



Then...

- Fewer Complaints
- Fewer Pests
- A Better Place To Live

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What's a Pesticide?

Any substance or mixture of substances intended for:

- Preventing
- Destroying
- Repelling or
- Mitigating

...any pest



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Pesticides



- Pesticides should be applied **only by a licensed PMP**
- The label is the law
- EPA does not assess effectiveness, only risk/benefit when used in accordance with the label
- Look for the key words **Caution, Danger** and **Poison**

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The chemicals that people use to kill pests pose a risk to humans, too



Concerns with Pesticides

- Vulnerable populations:**
- Elderly, children, pregnant women
 - People with breathing or lung disorders such as asthma
 - People with chemical sensitivities



Concerns with Pesticides

- Residents use of “illegal” pesticides



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Concerns with Pesticides

- Residents use of “illegal” pesticides
- Pests become tolerant/avoid
- Exposure risk may outweigh benefit
- Possible harm to pets and wildlife



Total Release Foggers or “bug bombs”



- Chemicals fail to reach places where cockroaches congregate

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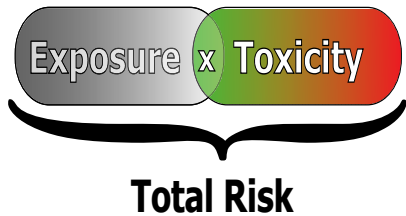
Total Release Foggers “bug bombs”



- Chemicals fail to reach places where cockroaches congregate
- Nasty toxic residue in... areas cockroaches generally avoid but which are heavily used by humans and pets

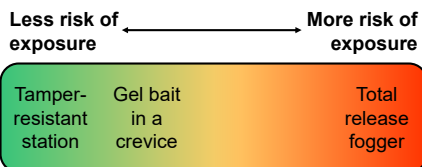
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Pesticide Risk



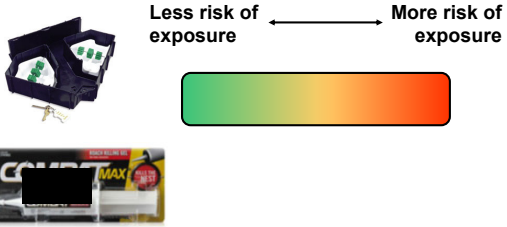
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Pesticide risk of exposure by application method

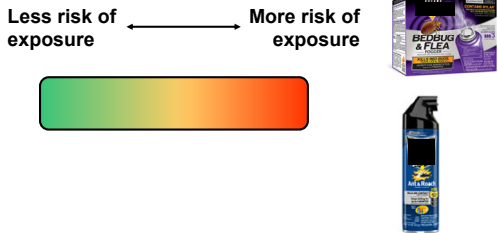


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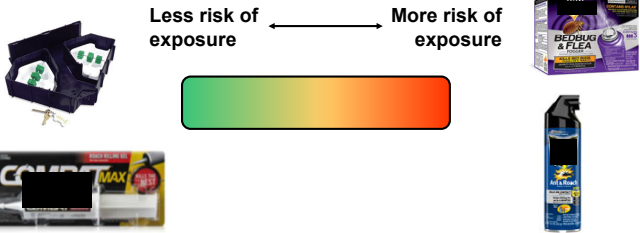
Pesticide risk of exposure by application method



Pesticide risk of exposure by application method



Pesticide risk of exposure by application method



How to Read a Label

For general questions about pesticides, including the potential risk to humans, pets, or the environment, call NPIC at 1-800-858-7378.

Protect Your Health Read the Label

How to Read a Label

- EPA Registration number

EPA REGISTRATION NUMBER

What is the unique product number showing that the EPA has approved it?

IF YOU SUSPECT A REAG use. Take off contaminant with plenty of water for 15-20 minutes or doctor for treatment.

QUESTIONS: For non-emergent product, call the National Pesticide Information Center at 1-800-858-7378. For emergency, call the National Poison Center at 1-800-325-1228. Hold you when calling a Poison Center.

EPA Reg. No. XXX-XXX-XX

Protect Your Health Read the Label

How to Read a Label

- EPA Registration number
- Precautionary Statements

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals.

PRECAUTIONARY STATEMENTS
How can the product be used safely?

Protect Your Health Read the Label

Poll: Do your residents apply pesticides on their own?

- Yes, without restrictions
- Sometimes, although we have a policy against it
- Never
- I don't know

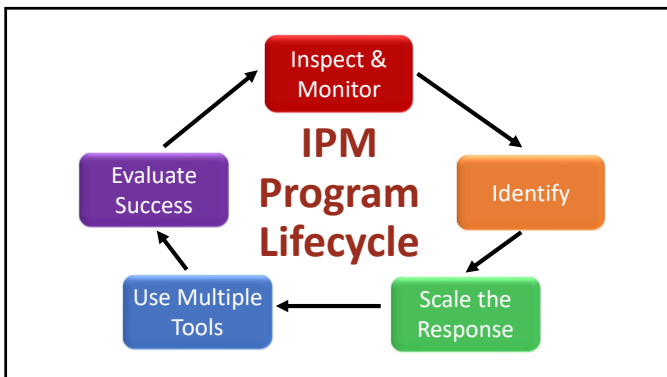
Select one answer.

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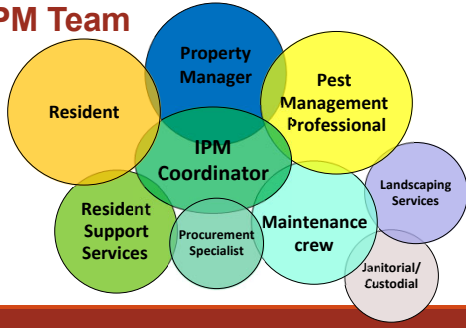
If they're so bad, why do people tolerate exposure to pests and pesticides?

- Low standards for pest control and maintenance
- Other priorities
- Not aware of the problems
- Accustomed to living with problems, and cannot envision a better way

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The IPM Team



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Session One Introduction

Session Two Cockroaches

- Priority Pests
- Why IPM
- Pesticides & Health



What we learned...

Homework:

- Find your IPM log
- Remembering our suggested list of contents, is yours complete?
- What should you add?