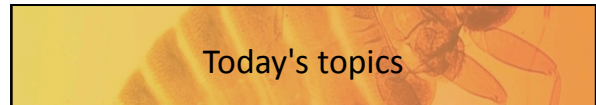


Safe and Effective Strategies for Bed Bugs




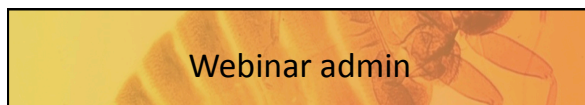
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📘 facebook.com/StopPests



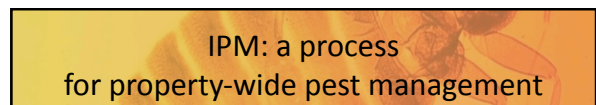
Today's topics

- Integrated pest management (IPM)
- Renovation & infestation: when to get rid of bugs
- Worker protection
 - take precautions
 - look for signs
 - work-to-home procedure
- Treatment options
- Preparation requirements
- Resources from StopPests

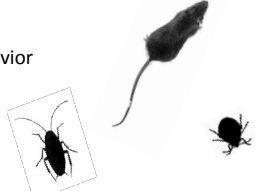
Webinar admin

- Write questions to "all participants" in the chat box
- The presenter will answer a few questions after each planned topic
- Remaining questions will be addressed after the slide presentation
- If time runs out, Allie will post written responses online at:
www.stoppests.org/about-us/conference-presentations/



IPM: a process for property-wide pest management

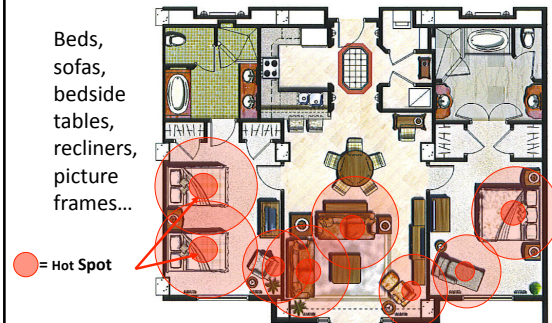
1. Inspect and monitor
2. Identify
3. Scale the response to the level of infestation
4. Respond
 - Non-chemical control
 - Changing people's behavior
 - Chemical control
 - Biological control
5. Evaluate effectiveness



Areas at-risk for introduction and infestation

- Introduction is likely where people
 - frequently travel
 - set down personal belongings
 - sit or lay down for long periods of time
- Infestation is likely where bed bugs can
 - Crawl (upholstered furniture or bedding)
 - Feed on a person for 5 minutes without being detected
 - Hide in cracks or folds

Where bed bugs live



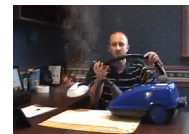
Renovation & infestation: when to get rid of bugs

- Early detection & rapid response
- Know the process for getting a professional working in a unit
 - Ideally, eliminate infestation before moving/renovating
 - If renovation work must proceed, take precautions

Resource: www.bphc.org/hpghi/OwnersManagers/Pages/home.aspx

Renovation & infestation: precautions


- PPE if working in multiple units
- Steam to spot-treat
- Wrap items before transport
- Get infested items off-site ASAP



Resource: www.bedbugcentral.com/tv/steam-treatment-bed-bugs

Worker protection: take precautions

- In units:
 - Avoid sitting or placing items on potentially infested surfaces
 - Wear a protective layer when moving infested items



UNIVERSITY OF MINNESOTA
Dare to Discover

Let's Beat the Bed Bug!

Homebased & Travel • Property Owners & Managers • Students • Tenants • Home Visitors

Resource: www.bedbugs.umn.edu/home-visitors/


Worker protection: look for signs of bed bugs

- Dead bed bugs
- Live bed bugs
- Bites
- Fecal spots
- Shed skins




Worker protection: home-to-work procedure

- Have a change of clothes, shoes, and a plastic bag
- Change into the new set and put the worn items in the bag
- Launder worn items asap: 30 mins hot dryer
- Keep work gear away from your bedrooms and livingroom



Resource: www.nysipm.cornell.edu/publications/bb_guidelines/files/bb_guidelines_protect.pdf

Treatment options

<ul style="list-style-type: none"> • Pesticides <ul style="list-style-type: none"> • Spray • Dust • Fumigation • Heat <ul style="list-style-type: none"> • Dryer • Steam • Container • Whole unit • Monitors • Vacuuming 	<ul style="list-style-type: none"> • Freezing <ul style="list-style-type: none"> • Liquid CO₂ • Chest freezer • Isolation <ul style="list-style-type: none"> • Encasements • Clear bags • Closed plastic containers • Make the bed an island 	
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Resource: www.nchh.org/Portals/0/Contents/bedbug_report.pdf

Preparation requirements

- Whole-unit heat
 - Follow the professional's instructions
- All other treatments
 - Make the area inspectable and treatable
 - Minimize disruption of the bugs

Resources

- Free consultation and training for Public Housing or PBRA properties: www.stoppests.org/request
- IPM: A Guide for Affordable Housing: www.stoppests.org/guide
- Bed bug resources: www.stoppests.org/pest-solutions/bed-bugs
- Maintenance recommendations for IPM: www.stoppests.org/what-is-ipm/using-ipm/#maintenance
- Pesticides: www.npic.orst.edu



Questions?

In-house options (minimum training)

- Encasement
- Monitoring
- Quick (15 min) visual inspection
- Steam
- Clothes Dryer
- Vacuum
- Heat chamber (FL model)
- Diatomaceous Earth (APPLICATOR'S LICENSE)
- Resident training/support

Leave it to the experts

- Canine inspection
- Whole-unit heat treatment
- Pesticide application
- Thorough inspection
- Active Monitoring