

Disclaimers

 Products, vendors, or commercial services mentioned or pictured in the trainings or presentations are for illustrative purposes only and are not meant to be endorsements.

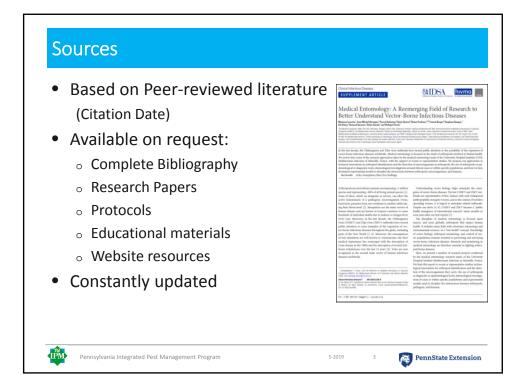


- Medical concerns must be addressed by a medical professional.
- Do not take legal action based on this presentation; consult a lawyer.

Tenant's rights free services:

- TURN: Tenant Union Representative Network (215) 940-3900
- CLS: Community Legal Services (215) 981-3798







What do they do to us?

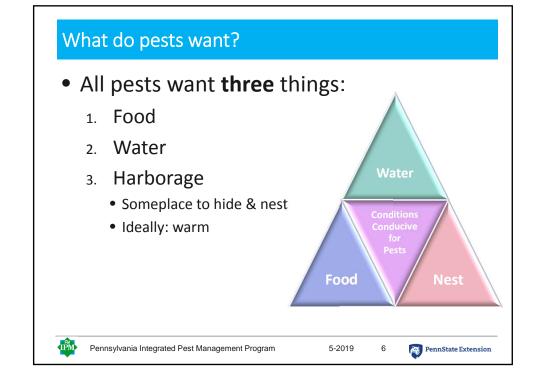


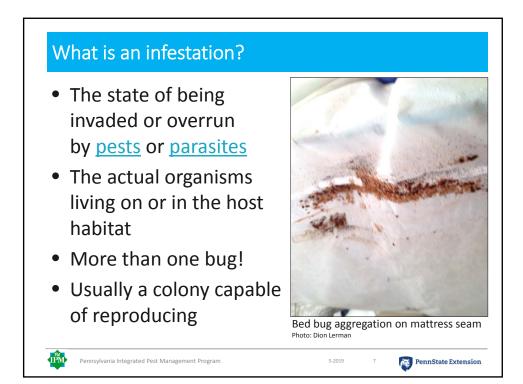
- Pests cause allergies & can trigger asthma also eczema, other allergies
 - o Mice 83% of all homes!
 - 95% low-income
 - 89% of schools!
 - o Cockroaches up to 63% of homes
- Asthma: rate has doubled in 20 years
 - $_{\circ}$ Up to 30% or more of children under 18
 - Main cause of lost school days... and work days!
 - African American children are hospitalized and die 2x as White children; Latino's – 3x!
- Bite us Lyme, West Nile, rabies
 - o Thousands of rat bites each year in US!
- o Infectious disease vectors

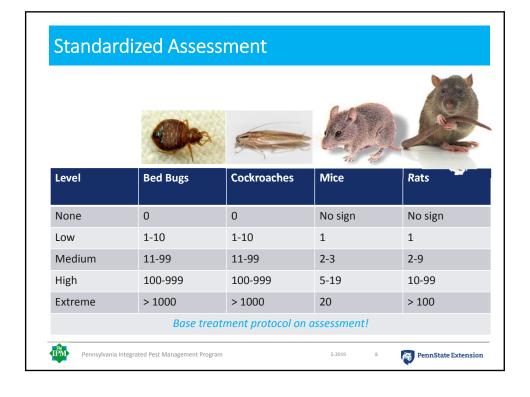


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How they get in?

- Find out! Do a thorough inspection:
 - o Outside of the house
 - Inside: corners, floors, closets & basement
 - Where have you seen them?
- Identify the pests found!
 - o Online
 - Experienced pest control workers
 - Urban entomologist
 - IPM/Penn State Extension
 - 215-264-0582









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Where do they hide?

- Where do you see the creature?
 - Creature droppings
 - Nests and burrows
- Good food & source of water
 - Under sinks, kitchens, garbage cans
- Hidden places
 - Inside walls, cabinets, basements, attics, waste bins, baseboards
- Warm cavities for insects
 - Inside TV's, computers, smoke alarms
- Near entry holes
 - Spotted during outside inspection
- Where people sleep bed bugs
 - Wheelchairs



Mouse nest under oven

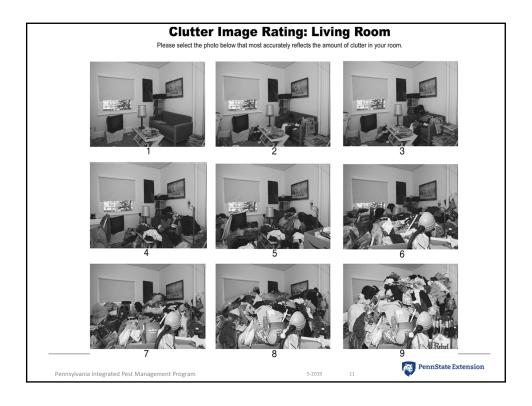


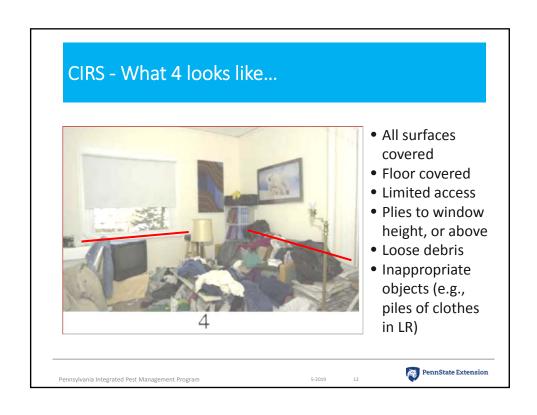
Cockroaches nesting in baby food case

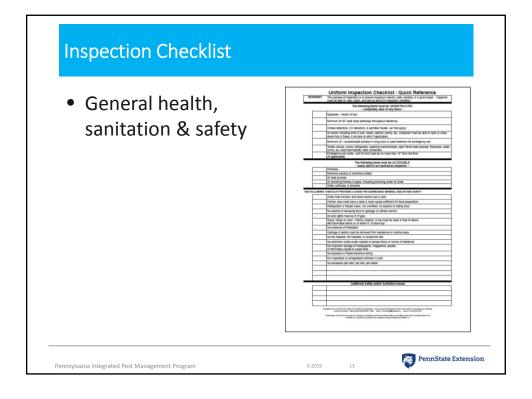
IPM

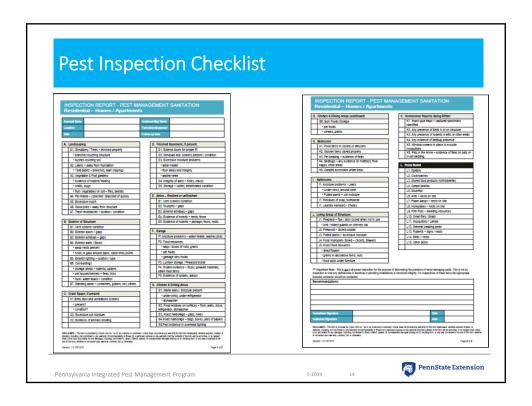
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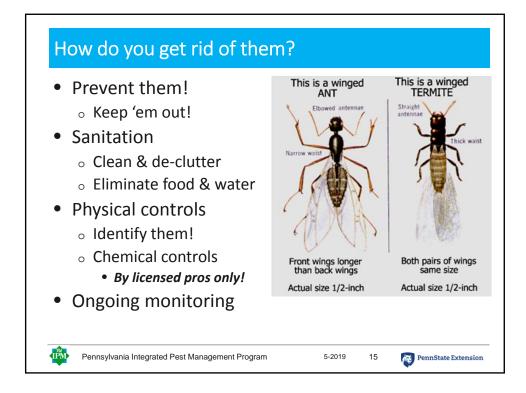
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Hoarding Prevalence



- Hoarding behaviors affect between 2 5% of the population.
 - The 5% rate is 2x the rate of OCD & 4x the rate of bipolar and schizophrenia.
- In Philadelphia: 23,600-59,000 adults.
 - Hoarding behaviors usually start in adolescence and often increase with age.
- 92% of individuals with Hoarding Disorder have a co-occurring disorder
 - Depression; Social phobias; Anxiety
 - Substance abuse

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Engagement

Remember these guidelines:

- Don't gasp!
- Don't touch!
- Evaluate for safety
- Find something to compliment
- Be grateful & nonjudgmental
- Build trust!
- Be cautious of verbal cues
- Ask questions





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Effective Inspection & Treatment Guidelines

- Need to be able to see & access base boards & corners, including in closets.
- Clear under beds
- Containerize stuff in clear plastic bins with tightfitting lids – stack & move
- CIRS: <3! *At edges...*





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Assessment based pest control

- Conduct inspection 2 week intervals
- Estimate population
- Develop treatment protocol
- Apply
- Reinspect & retreat
- Continue until no signs of activity for 6 weeks



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How???

- MCO's now Reimbursing IPM for Medicaid/care
 - Bed bugs
 - Roaches & rodents
 - Maybe not other pests
- Effective January 1, 2019 in SE PA
- PA IPM working with MCO/s & DHS to define
- Probably not fully rolled out until September
 - o Provider must be certified Medicaid provider
 - Service Coordinator at MCO approves



Don't use sprays or foggers!





- They will ruin the bait
- They may trigger asthma attacks
- They may have other health effects
- Children are most at risk
- Foggers can also explode!
- They don't solve the pest problem



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Only licensed professionals may apply pesticide in someone else's home!

Not staff, maintenance, or volunteers...

It's the law!



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Using cockroach bait stations

- Clean up! No other food for the roaches! No hiding places!
- Stick bait 'pucks' near where the roaches were living
- Use gels in cracks & crevasses
- Leave until empty, then throw out 'puck'
- Only use them when you have roaches!
 - Pro or resident placement!









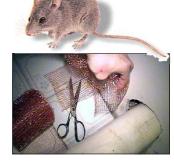
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How do you control mice?

- · Get rid of all food & water
 - o Keep garbage cans covered
- Seal openings bigger than a pencil width!
 - o Stuff hole or crack with copper mesh or wool
 - Seal with silicone caulk, spray foam, spackle or cement
 - o Sheet metal or screen for outside
- Use snap traps
- Don't use poison in homes!







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Want to make sure pests stay away?





- Don't feed or water them!
- Do keep doors, screens and repairs in good shape
- Use **monitors**: leave in place & check
 - o For insects & mice sticky traps
 - For mice & rats snap traps
 - o Bed bugs interceptors
- If you don't have new pests -
 - Celebrate & keep on!
- If you find pests, treat again
 - o If roach baits did not seem to work, try a different brand
 - Make sure there is no "competing" food source!



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Bed bugs – Don't Panic!!

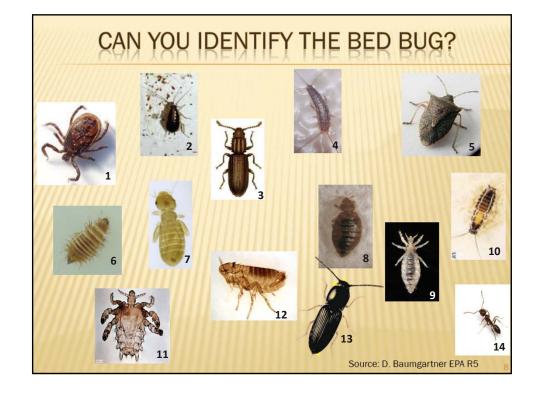


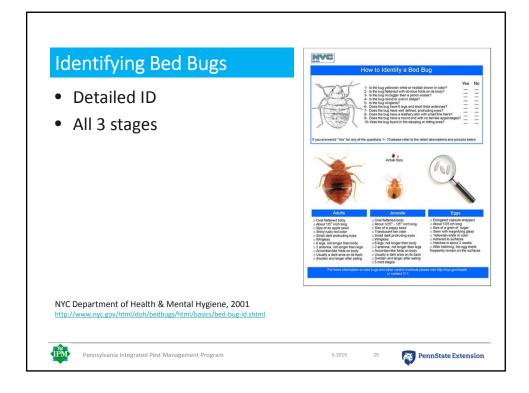
- You *can* see them.
- Bed bugs can be avoided and controlled!
- Not every bite or skin irritation is a bed bug!
- They do *not* cause or spread diseases.
- Tell your property owner and get treatment quickly!
- Simple *heat* and/or *steam* can kill them.
- Don't use sprays or foggers

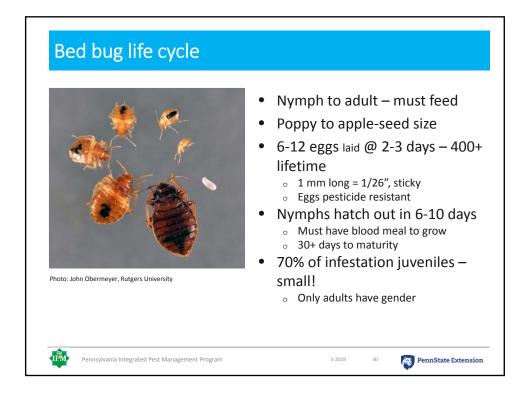
1PM

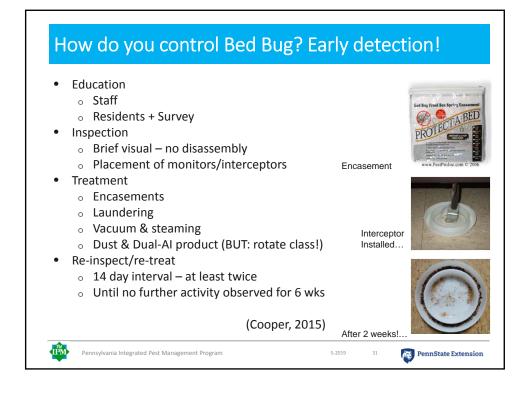
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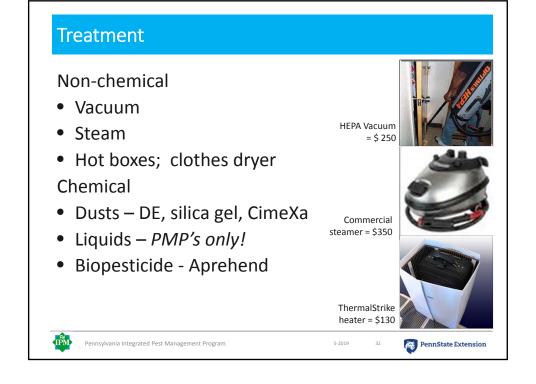
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Why do you choose your cleaning products?

- Habit
- Brand loyalty
- Cost
- Effectiveness
- Convenience
- Novelty
- ?Safety?





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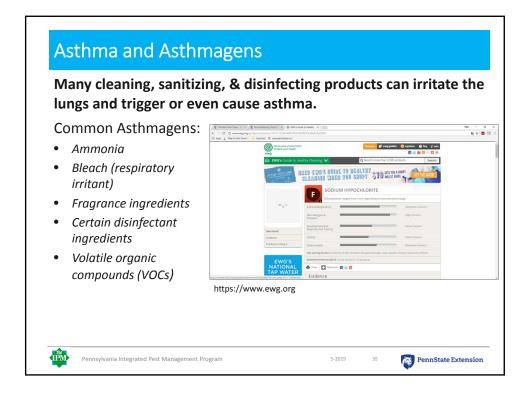
Health Hazards of Cleaners, Sanitizers & Disinfectants

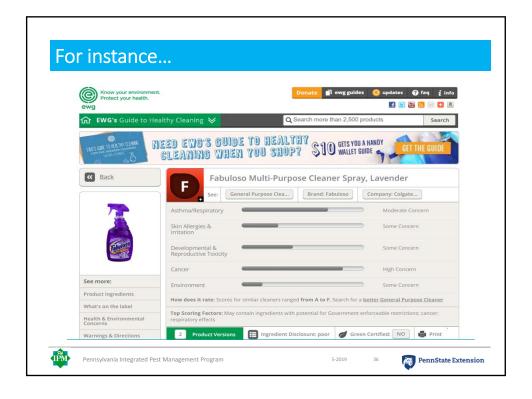
- The words "natural," "nontoxic," & "green" on product labels are unregulated by the government.
- Cleaning products <u>do not have to list</u> <u>ingredients</u> on the label & manufacturers <u>do</u> <u>not have to prove they are safe</u> before marketing them.
- Products labeled "green" may have as many toxic chemicals as conventional cleaning products.



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Safer Choices

Cleaners & Air Fresheners

- ✓ Third Party Certified products
- ✓ "Caution" signal word
- ✓ Non-aerosol
- ✓ Fragrance-free & dye-free
- ✓ All ingredients listed on label
- ✓ No overwhelming odor
- ✓ Open the windows
- ✓ Exhaust to outdoors

"Clean" does not have a scent to it.





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Third Party Certification







- EPA "Safer Choice" for retail product but not audited; allows fragrances.
- Some programs are forming buying clubs to purchase safer institutional products at better prices, or they're purchasing through local schools





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Resources

- NPMA Best Management Practices
 - o www.bedbugbmps.org
 - o NPMA Bed Bug Basics Training: http://pestworld.learningzen.com
- BedBugCentral
 - http://www.bedbugcentral.com/tv/preferred-pesticides-bed-bug-treatment
- Dini Miller's Recommendations
 - http://www.vdacs.virginia.gov/pesticides/bedbugs-facts.shtml
 - www.epa.gov/pesticides/ppdc/bedbug-summit/2011/10-miller.pdf
- Early Detection for Multi-family Housing
 - http://www.stoppests.org/ipm-training/training-opportunities/stoppests-webinars/taking-control-ofbed-bug-treatments/
- Shelters & Group Living
 - o http://www.nysipm.cornell.edu/publications/bb guidelines/ and Group Living Facilities



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References

- Centers for Disease Control & Prevention (CDC)
- PA Department of Health

 $\underline{\text{http://www.health.pa.gov/My\%20Health/School\%20Health/Pages/Quick\%20Links/Environmental/Pests.asp}$ x#.WYs3gVGGNPY

PA IPM Program

http://extension.psu.edu/pests/ipm

- Penn State Extension
 - http://extension.psu.edu/pests/ipm/pestproblemsolver
- Stop Pests in Housing

http://www.stoppests.org/



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