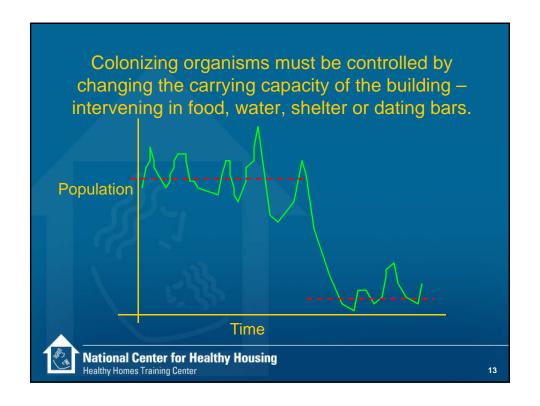


Integrated Pest Management

- Keep them out and give them no place to hide
 - Change surrounding landscape
 - Block pest entries, passages, hiding places
- Reduce food availability
 - Practice proper food storage and disposal
 - No dirty dishes in the sink overnight
 - Clean crumbs, grease etc.
- Knock down population
 - Traps
 - Appropriate pesticides





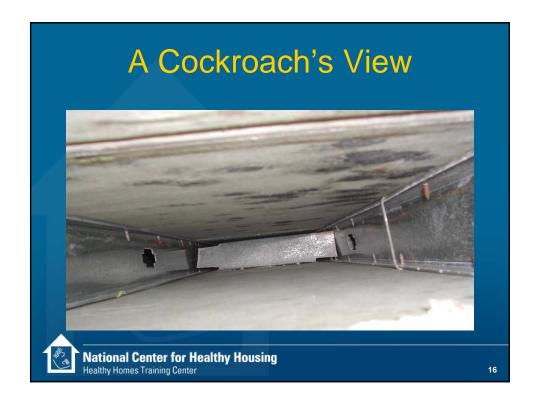


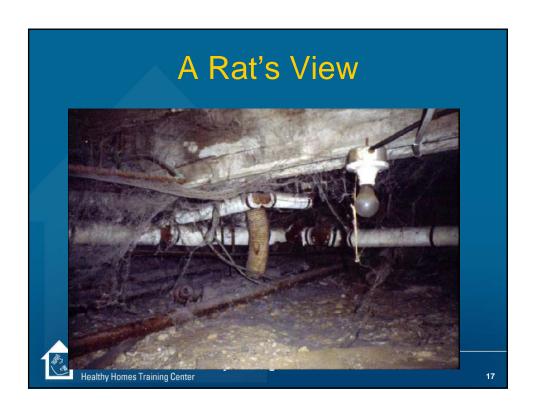


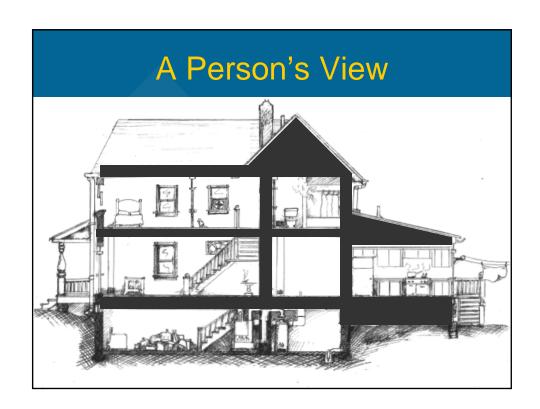
See the creature, be the creature: What to look for and where to look

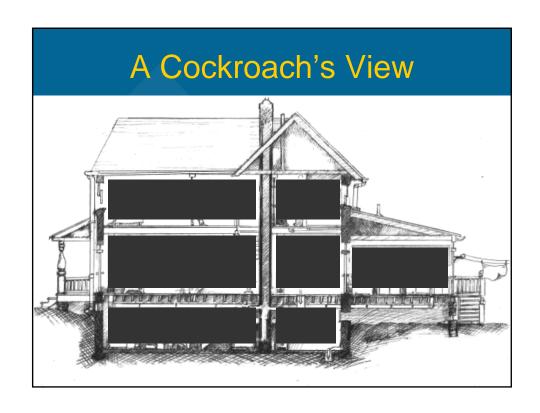
- The creature
- Creature droppings
- Nests and burrows
- Good food under sinks, kitchens, trash bins
- Hidden places inside walls, under/behind cabinets, basements/crawlspaces/attics, waste bins, under baseboards
- Near entry holes (from exterior inspection)
- Warm cavities for insects (inside TV's, computers, smoke alarms)

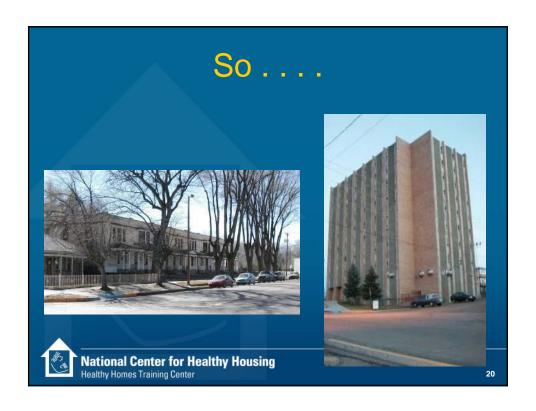






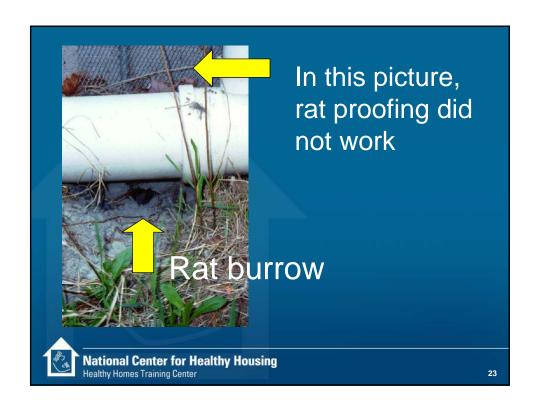


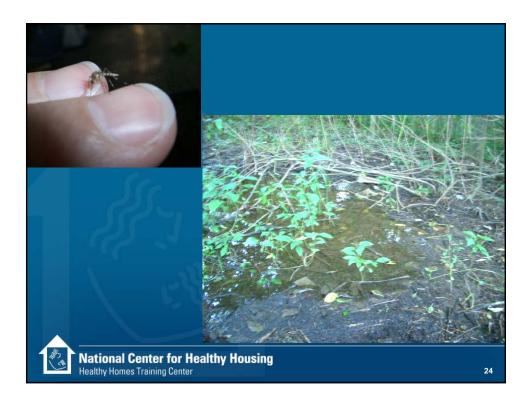


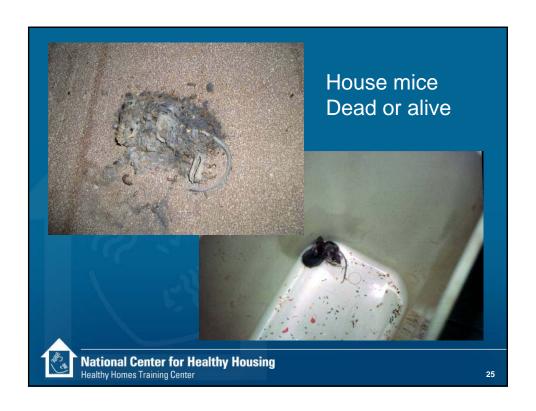




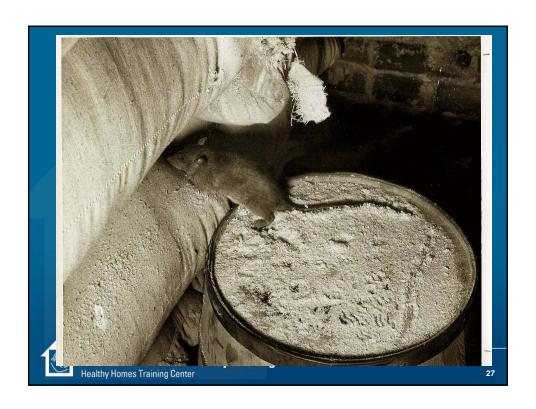




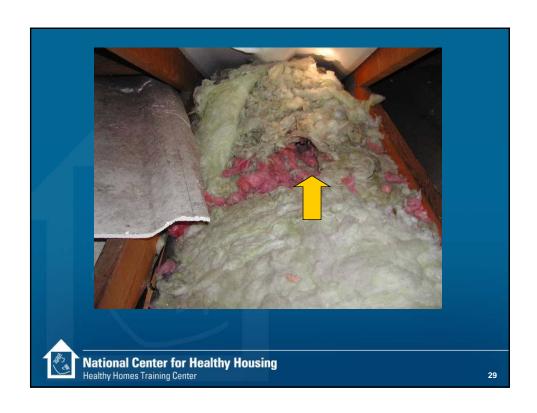




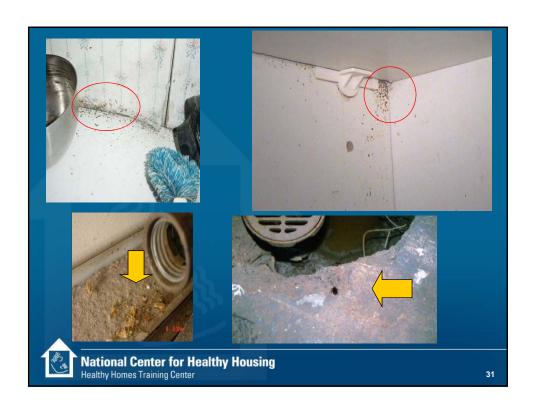


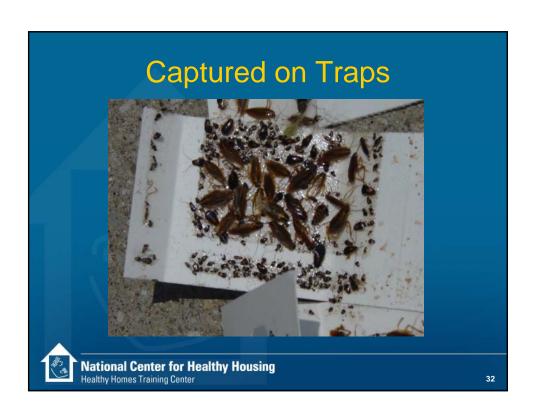




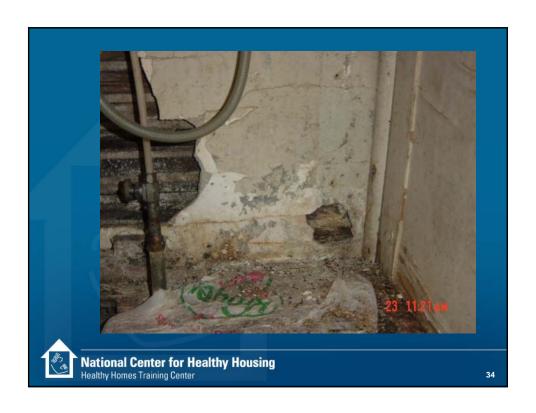




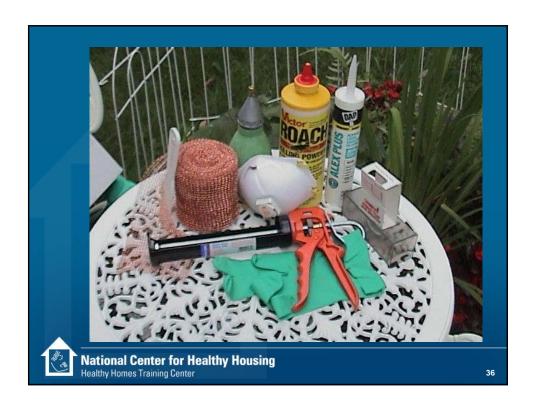






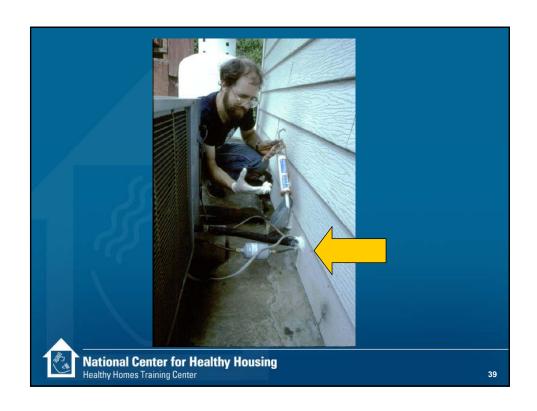


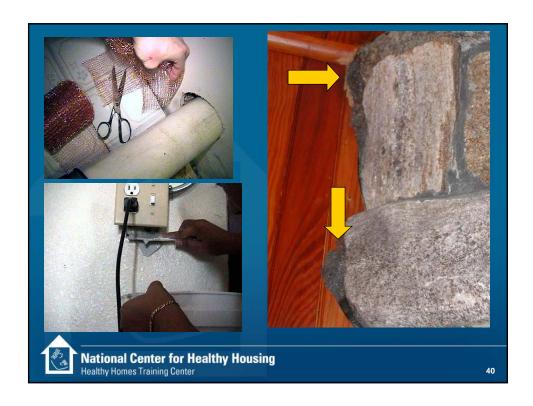


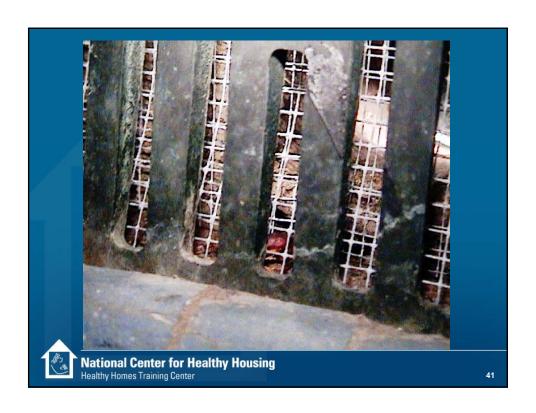










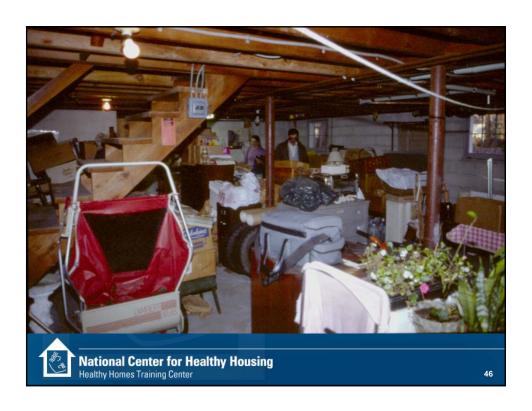






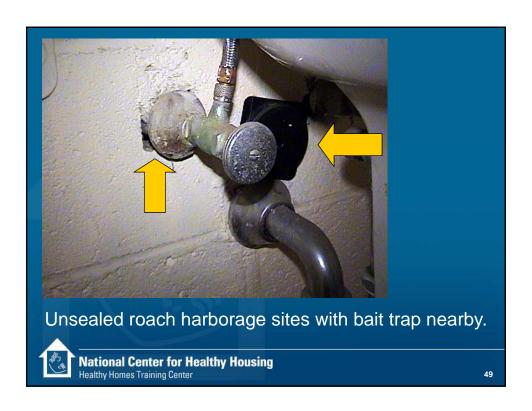




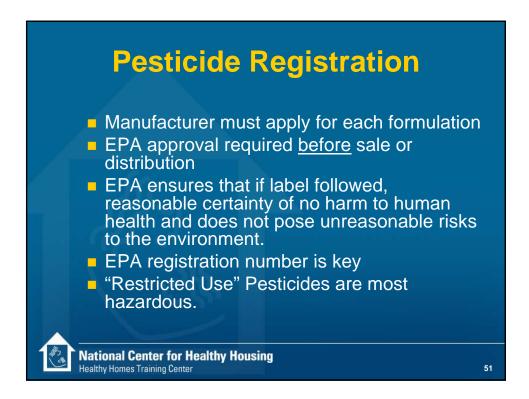


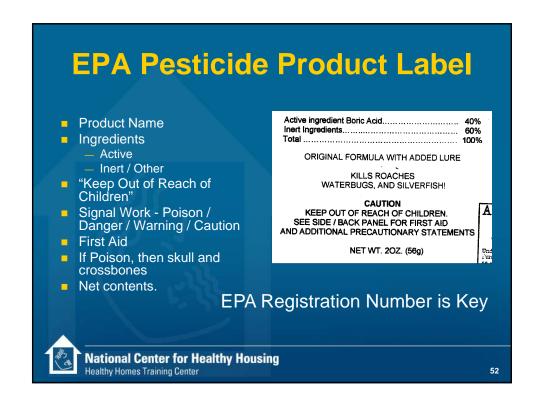
Habitat Modification: Storage Practices Food materials: Store in pest-resistant or pest-proof containers Essential non-food materials & goods: Store in an organized fashion so that any pest/vector activities can be readily observed Clutter: Reduce or eliminate non-essential stored items National Center for Healthy Housing Healthy Homes Training Center



















Code Requirements Related to Pests

- EXTERMINATION. The control and elimination of insects, rats or other pests
 - by eliminating their harborage places;
 - by removing or making inaccessible materials that serve as their food;
 - by poison spraying, fumigating, trapping or by any other approved pest elimination methods.
- INFESTATION. The presence, within or contiguous to, a structure or premises of insects, rats, vermin or other pests.
- 308.1 Infestation.
 - All structures shall be kept free from insect and rodent infestation.
 - All structures in which insects or rodents are found shall be promptly exterminated by approved processes that will not be injurious to human health.
 - After extermination, proper precautions shall be taken to prevent reinfestation.



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Code Requirements Related to Pests

- 302.5 Rodent harborage.
 - All structures and exterior property shall be kept free from rodent harborage and infestation.
 - Where rodents are found, they shall be promptly exterminated by approved processes which will not be injurious to human health.
 - After extermination, proper precautions shall be taken to eliminate rodent harborage and prevent reinfestation.
- 304.14 Insect screens.
 - During the period from [DATE] to [DATE], every door, window and other outside opening required for ventilation of habitable rooms, food preparation areas, food service areas or any areas where products to be included or utilized in food for human consumption are processed, manufactured, packaged or stored, shall be supplied with approved tightly fitting screens of not less than 16 mesh per inch (16 mesh per 25 mm) and every swinging door shall have a self-closing device in good working condition.



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Code Requirements Related to Pests

- **308.2 Owner.** The owner of any structure shall be responsible for extermination within the structure prior to renting or leasing the structure.
- 308.3 Single occupant. The occupant of a one-family dwelling or of a single-tenant nonresidential structure shall be responsible for extermination on the premises.
- 308.4 Multiple occupancy. The owner of a structure containing two or more dwelling units, a multiple occupancy, a rooming house or a nonresidential structure shall be responsible for extermination in the public or shared areas of the structure and exterior property. If infestation is caused by failure of an occupant to prevent such infestation in the area occupied, the occupant shall be responsible for extermination.
- 308.5 Occupant. The occupant of any structure shall be responsible for the continued rodent and pest-free condition of the structure.
 Exception: Where the infestations are caused by defects in the structure, the owner shall be responsible for extermination.



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Resources

- Cooperative Extension Services
- State Pesticide Regulator for Pest Control Applicators/Operators
 - Often at universities
- www.ehw.org
- www.healthyhomestrainin.org/ipm/



Key Messages

- Pests can create allergens and be vectors of disease.
- Control of pests through pesticides can lead to poisonings and other neurological problems.
- Some pesticides found in homes have been banned.
- Make house less hospitable for pests. Prevent entry, control food, water, and places for shelter.
- Integrated Pest Management is the recommended strategy.



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Learning Objectives

- Name three illnesses or injuries associated with pest infestation.
- Identify three clues of pest infestation.
- Identify the three strategies associated with an IPM approach.
- Name two illegal pesticides that may be used in the home.

