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#### You are a cockroach.





# What all pests need Food Water Shelter





#### Take action

Use more than one control method

Methods must be economical and pose the
least possible risk to people, property, and
the environment







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# Integrated Pest Management (IPM)

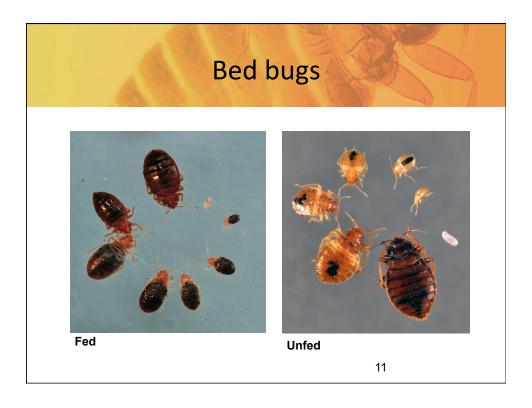
- 1. Inspect and monitor
- 2. Identify
- 3. Determine the scale of response
- 4. Respond
  - Non-chemical control
  - Changing people's behavior
  - Chemical control
  - Biological control
- 5. Evaluate effectiveness

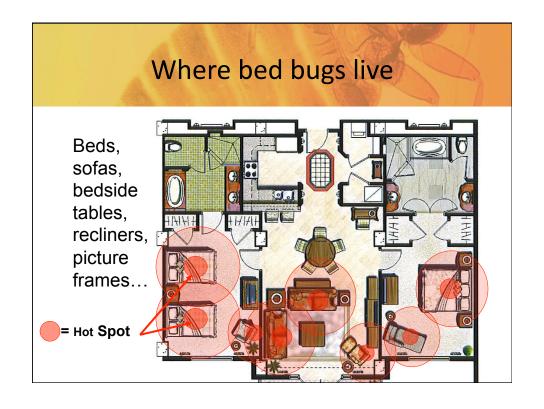
#### IPM is not...

- Using only bait
- Applying more than one kind of pesticide
- A certain set of pesticides
- Using spices and herbs
- A service that can be contracted out

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## Questions?





# 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

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## Areas prone to introduction vs. infestation

3= high risk 2=medium risk 1=low risk

Area	Introduction	Infestation	Total

## Advice for staff, health aides, and contractors

- **★** In units:
  - Avoid sitting or placing items on potentially infested surfaces
  - Wear a protective layer when moving infested items
- ★In the main office/community areas:
  - Replace fabric-covered furniture that has many crevices with plastic or metal items
  - Have residents set their belongings in plastic totes during meetings

## Prevent introduction and spread: residents

- \*Keep coats, backpacks, purses, and bags off beds, recliners, and sofas at home and while out
- ★ Inspect used furniture carefully before bringing it home—avoid it if possible
- Look for signs when sleeping away from home

# Integrated Pest Management (IPM)

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#### **Treatment options**

Pesticides

Freezing

Spray

· Liquid CO<sub>2</sub>

Dust

· Chest freezer

Fumigation

Vacuuming

Heat

Isolation

Dryer

Encasements

Steam

· Clear bags

Container

· Closed plastic containers

Whole unit

· Interception devices

#### Questions?

## In-house options (minimum training)

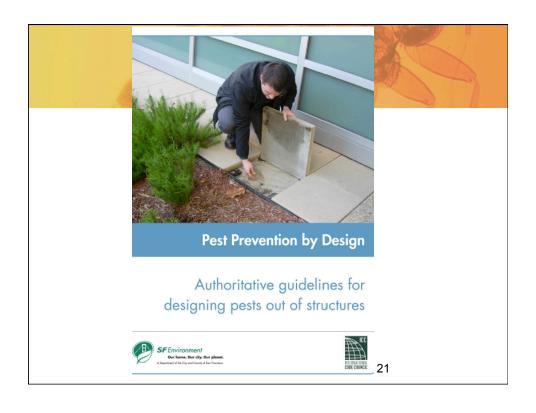
- Encasement
- Monitoring
- Quick (15 min) visual inspection
- Steam
- Clothes Dryer
- Vacuum
- Heat chamber (FL model)
- Diatomaceous Earth (APPLICATOR'S LICENSE)
- Resident training/support

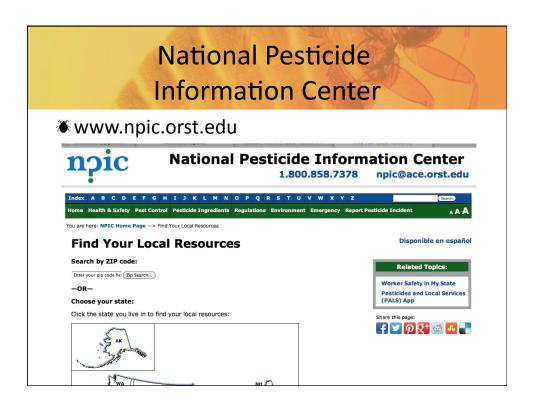
#### Leave it to the experts

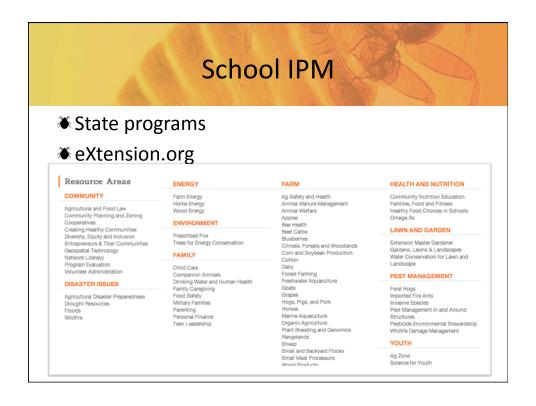
- Canine inspection
- Whole-unit heat treatment
- Pesticide application
- Thorough inspection
- Active Monitoring

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## Resources by state













## Questions?

Slides will be available at www.stoppests.org/about-us/conference-presentations/