Welcome
FOCUS Conference 2015

BATZNER PEST CONTROL

- Largest independently-owned pest control service provider in WI and rapidly expanding into Northern IL
- Founded in 1946, third generation of family ownership
- Dedicated to provide legendary pest control solutions to homes and businesses
Vision
To be the #1 pest control company in the markets we serve

Mission
Providing legendary services guaranteeing complete customer satisfaction

Objectives
- Bed Bug Myths
- Infestation vs. Introduction
- Who is at Risk?
- Bed Bug Action Plans
- Transference
- Biology / Identification / Health Risks
- Inspection / Monitoring / Treatment Options

Bed Bugs are a Human Issue
Bed bugs are a human nesting parasite making them as unpredictable as people

EDUCATION is the first step in understanding bed bugs
The Good News: Stakeholder Education Programs

Infestation vs. Introduction

- Do you know the difference?

Infestation

A Breeding Population

- Commonly found in multi-unit housing
- More common in lower income homes
- Often leads to secondary or tertiary infestations in people's lives
Introduction

Not Yet A Breeding Population

- Most common in Medical Facilities
- Brought in from a single source, individual patient, visitor or staff
- Can lead to re-introduction
- Unlikely to cause infestation when proper steps taken

Bed bug infestations

Who is at Risk?

Who is at HIGH Risk?
- Hospitals / Clinics / Visiting Nurses / EMTs
- Social Services Facilities
- Temporary Housing / Shelters
- Hotels
- Multi-Unit Housing
- Correctional Facilities
- Used Furniture / Thrift Shops
Pest management and media response
Bed Bug Action Plan

Sample Action Plan Steps
If the Report is From a Patient Room
- Shower patient and give them a new set of clothes
- Move patients to a new room, if possible
- Do not move patient’s personal items
- Collect insect specimen
- Place all personal items in heavy duty garbage bags immediately

Preparation and exposure control
Transference
How Do Bed Bugs Travel?

They are expert hitchhikers!

Preparing For Home Visits

Contact the client prior to first home visit

Ask if any known insect infestation / pest control treatment within last 2-3 months

If yes, inquire about bed bugs

Remember to be tactful

If bed bugs were a problem within the last 12 months, take precautions

Preparing For Home Visits

☐ Bring a plastic tote

☐ Change of clothing and shoes

☐ Use a Tyvek™ suit
Personal Protective Equipment

- PPE Kits are zip closure plastic bag containing:
  - several pairs latex or nitrile gloves
  - 2 pair disposable shoe covers
  - 1 disposable coveralls
  - several plastic garbage bags
  - hand sanitizer
  - Plastic sheet or white cloth sheet for transporting patient

At Home Visit

- Keep coats, backpacks, purse and bags off beds, recliners and sofas.
- Avoid sitting or placing items on potentially infested surfaces.

After Home Visit

- Check shoes after leaving home visit
- Change clothes immediately before or when entering your home
- Launder clothing in hot water and/or dried on higher setting for at least 20 minutes
- Dry clean or steam clean clothing that cannot be washed or dried at high settings
Educate Yourself and Your Staff

Recommend mandatory bed bug training for new hires

Similar to blood-borne pathogen training

Bed Bug Biology, Identification and Health Risks

Be confident in your identification skills

Bed Bug Myths

Bed bugs …

– can fly
– can jump
– only feed at night
– run out and attack you
– spread disease
– getting bed bugs means you are dirty
– are only a problem in low income areas
– live on the human body*
Bed Bugs Come in All Shapes/Sizes

Bedbug Life Cycle
4 Weeks - 9 Months Depending on Conditions

What Can Trick You?

Bed Bug Bites

Not everyone reacts the same
- Delayed reaction: 2 days to 4 weeks
- No reaction
- Instant reaction: anaphylactic reaction is rare

Skin irritations often misidentified as bite
Vectors For Disease

Bed bugs have not been proven to transmit disease

Pathogens have been detected on and in these insects, including:
- Hepatitis B
- Chagas’ Disease
- Hepatitis C
- HIV

Bed Bugs Are Health Hazards

Bed bugs can affect public health
- Causes secondary infections after people scratch their bed bug bites
- Results in stress, loss of work, loss of productivity and financial burden
- Impact mental health of people living in infested homes

The 30-Second Eye Sweep Inspection

Be proactive, not reactive
What To Look For?

- INSECTICIDES
- DRYER SHEETS
- DE DUST
- Nymphs, Eggs
- Blood Staining
- Bed Bug Fecal

The 5-Minute Inspection
Within 3-5 feet of a sleeping area
Primary Bed Bug Harborage ~70%
5 feet

Secondary Bed Bug Harborage ~23%

“Other” Bed Bug Harborage ~7%

Inspect with in 3-5 feet of sleeping area
- Headboard, head of the bed area
- Baseboard / all molding near sleeping area
- Picture frames near sleeping area
- Outlet covers near sleeping area
- Mattress and box spring
- Night stands

5 Minute Inspection
Self-Monitoring Products
Early detection tips

Products Available
- Active monitors vs. passive monitors
- BlackOut™ Bed Bug Detector (passive)
- Volcano™ Bed Bug Detector (active)
- Various glue traps
- Bed encasements
YES... Bed bug monitors do work!

Treatment Options
When and why?

Bed Bug Treatment Options

- **Traditional Chemical Application**
  - Heavy infestation of many units, likely to be re-infested uncooperative tenants

- **Thermal Remediation**
  - Heavy infestation of a few units, unlikely to be re-infested, cooperative tenants

- **Steam Treatment**
  - Mild infestation or introduction, quick turn around needed, healthcare facilities
Do-It-Yourself Bed Bug Treatments

NOT ADVISED
- Can be dangerous to people and property
- Bed bugs are resistant to most over the counter products
- Will make bed bugs harder to eliminate
- Will drive bed bugs into other areas / rooms

Please... do not underestimate bed bugs.
- Early detection can prevent this

Recap
- Bed Bug Trends
- Infestation vs. Introduction
- Who is at Risk?
- Bed Bug Action Plans
- Transference
- Biology / Identification / Health Risks
- Inspection / Monitoring / Treatment Options
What is YOUR Plan?
Don’t wait for an infestation!
Develop A Bed Bug Action Plan TODAY!

www.batzner.com/actionplans

Thank you! Questions?

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