They’re Back: IPM and Bed Bugs

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Why are they back?

- GLOBAL TRAVEL & IMMIGRATION
- PESTICIDE USE
  - Change in available pesticides
  - Change in use patterns
  - Possible resistance
- LACK OF KNOWLEDGE

LACK OF PUBLIC AWARENESS?
INTEGRATED PEST MANAGEMENT
Combination of all available methods to manage pests with pesticides as a last resort.

INTEGRATED PEST MANAGEMENT
- IDENTIFICATION
- INSPECTION
- PLANNING
- EDUCATION
- SANITATION
- EXCLUSION
- TREATMENT
- MONITORING

IDENTIFICATION
- Confirm that bed bugs are actually present
- Get a positive ID
Oval, Flat (or)  
Long, Cigar-shaped

INSPECTION

- Very thorough
- All potential harborage sites
- Inspect adjacent rooms (above, below & both sides).

What are we looking for?
**BITE REACTIONS**

- No reactions
- Small inflammations
- Severe allergic reactions

**Where do we inspect?**

- Mattress & bedding
- Night stands
- Headboards
- Bed frames
- Dressers
- Picture frames
- Pipe chases
- Outlet covers
- Baseboards
- Floor cracks
- Paneling
- Peeling wall paper
- Wheel casters
- Decorative items
- Luggage
- Others?
PLANNING

- Client cooperation
- Pricing
- Contracts

EDUCATION

- Yourself
- Your technicians
- Your customers
SANITATION

- Clutter provides harborage for bed bugs
- Makes inspection & treatment difficult

EXCLUSION

- Bed bugs can find harborage in any crack or crevice.
- Difficult to physically exclude them from a facility
- Chemical exclusion?

HOT OR COLD

- Steam treatments
- Freeze smaller items
  - Temperatures of minus 22°F or below
CHEMICALS
- Treat every existing and potential harborage
- Residual liquids & dusts
- Insect growth regulators
- Fumigation

MONITORING
- Detect and eliminate pests before they become a problem
- Confirm that the treatment was successful

WAR ON BUGS
- Hospitality and Tourism industry impacted.
- The Hawaiian Legislature introduced a legislation (SCR 69) to promote awareness and to help prevent bed bug infestations.
THANK YOU!