Got Cockroaches?

Pennsylvania Integrated Pest Management Program

Penn State Entomology



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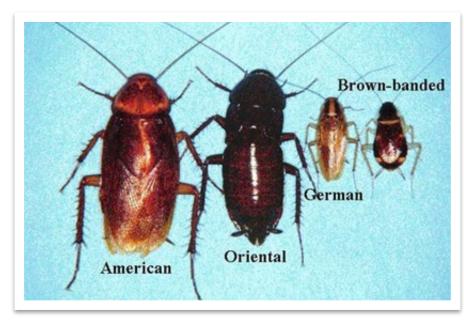
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- Do not take legal action based on this presentation; consult a lawyer.
- Tenant's rights free services:
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 - CLS: Community Legal Services (215) 981-3798



Cockroaches

Found everywhere!

- Kitchens & waste storage
- Litter boxes & animal cages, etc.
- Moisture
- Grease
- Cracks & crevices
- Voids



Pest cockroaches of Pennsylvania

Photo: University of Nebraska Extension



German Cockroach (GCR) Life Cycle



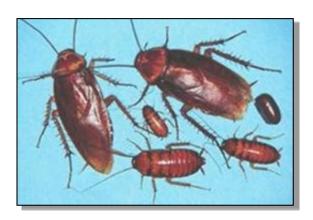
- Medium size (3/4") and bronze color with "racing stripes" behind head
- Found everywhere, but likes warmth, moisture, and darkness
- Reproduces quickly 40 eggs/capsule
- Carries eggs to term even if the mother is dead
- 5 instars 30-60 days to maturity
- Eats most anything loves grease!



"Waterbugs"

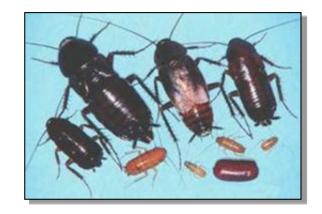
American Cockroach (ACR)

- AKA "palmetto bugs"
- Large (1-1/2"); brown color
- Glide in the air
- Live in sewers and basements
- They like it hot



Oriental Cockroach (OCR)

- AKA "water bugs"
- Large (1"); black color
- Live in sewers, basements, and mulch
- They like it cool





Signs of Roaches





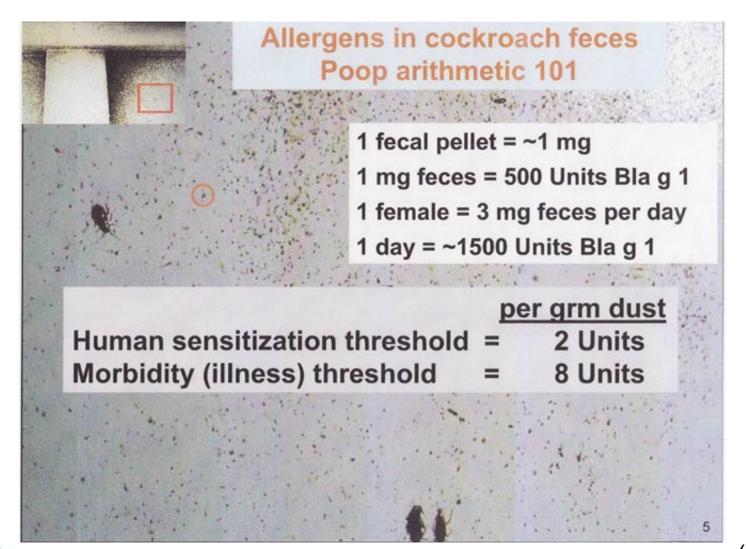






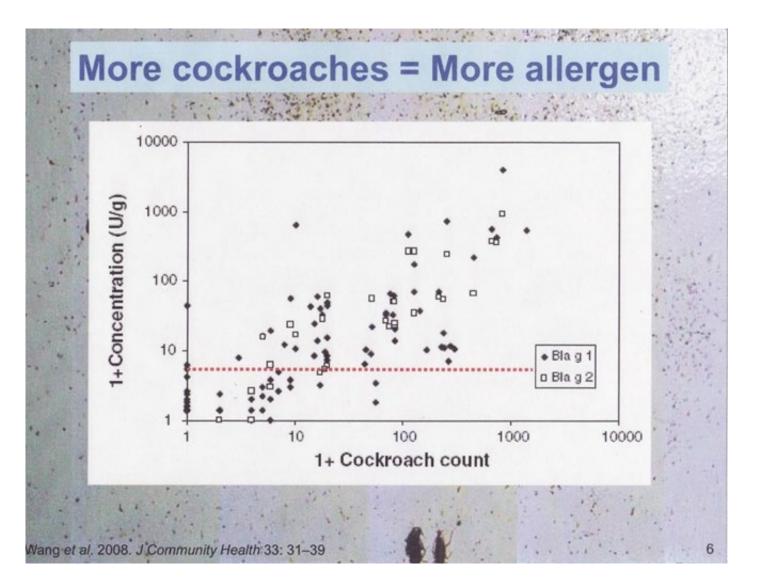


What's the Harm?





What's the Harm? - GCR Allergen Levels





Treating for Roaches

Only licensed pesticide applicators may apply pesticides in Pennsylvania in someone else's home, or schools, or childcare facilities!

- Not maintenance staff, teachers, or volunteers.
- This includes playing fields, greenhouses, etc.



- Bait stations
- Gels
- Boric acid and other dusts
- Insect Growth Regulator









Long-term Control



PMP's gel bait applied under a drawer (DL)

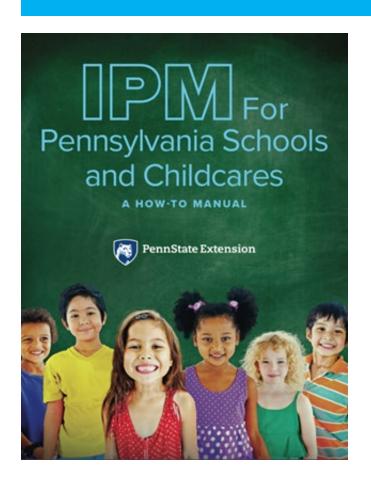


Insect monitor sticky trap



- Sanitation is key!
- Maintain monitors
- Only treat while there are signs of roaches
 - Remove & discard old stations or bait applications
 - Rotate brands to change Active Ingredient (AI)
- If infestation is persistent, ask for a reassessment by PMP
 - Dusts
 - Insect Growth Regulator

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