

Cockroach Management

Nebraska Extension





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Cockroaches are a big kitchen pest problem

Food and water are plentiful

German roach prefers a kitchen environment and is the most likely problem







Why Control Roaches?

 Transmit bacteria
 Cause food spoilage
 Trigger allergies







Cockroach species have different requirements

German: common in kitchens/bathrooms
 high water and warm temps

- Second Second
- Oriental: found in basements/lower floors - cool temps and need high water





Cockroach species have different requirements

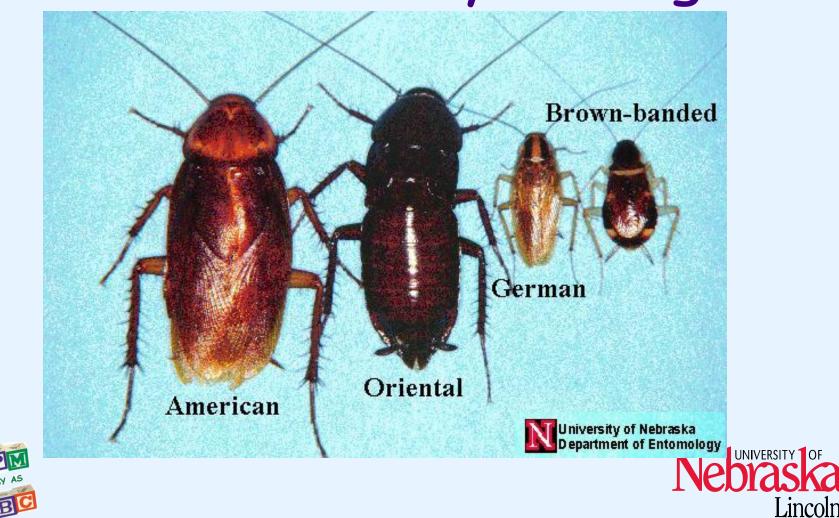
American: uncommon, found in steam tunnels, sewers - warm temps

Woods: attracted to lights, don't infest drawn to moist areas in buildings

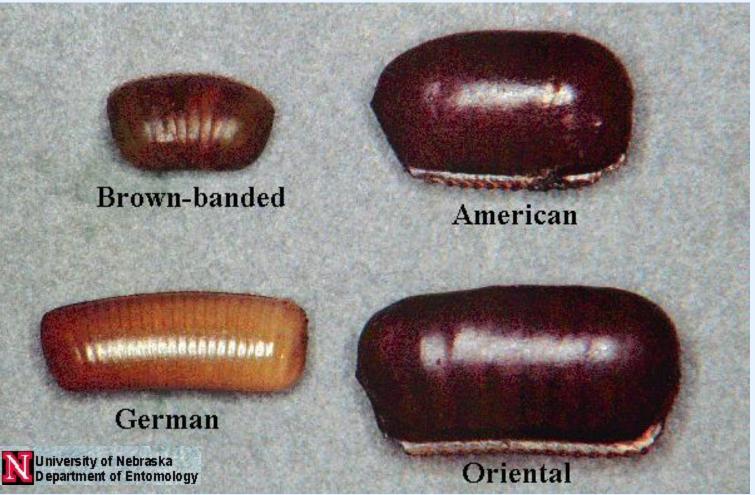




Roach species range from 5/8" to nearly 2" long



Comparison of egg cases







What are the roach signs?



Active at night
Strong oily odor
Roach specks similar to grains of pepper





Other possible roach signs

Egg case shells and shed "skins" (exoskeletons)



Brown-banded roach specks, shed "skins," and empty egg cases on the inside of a phone





Where are German cockroaches found?

In hidden areas during daytime
Near water
Near food
Prefer wood and porous substrates



German cockroaches hiding in the area behind a kitchen drawer

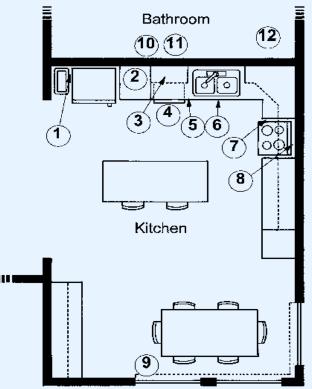




Monitor to locate roach harborages

Sticky traps

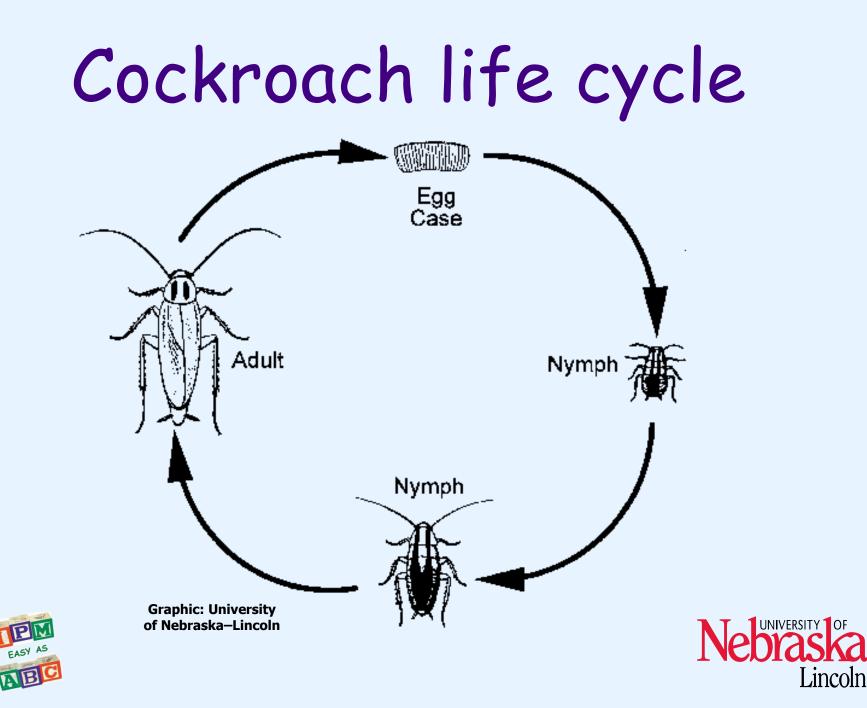
- Place in locations near moisture sources
- Place near refrigerators, stoves, garbage cans and under sinks
- Some roach traps have pheromones to aid in attracting roaches



Graphic: University of Nebraska–Lincoln

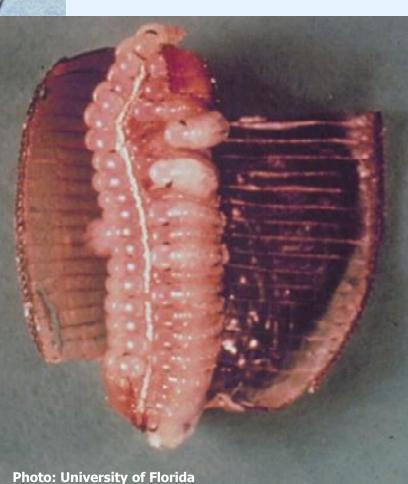








4-5 egg cases / female30-40 young / egg case







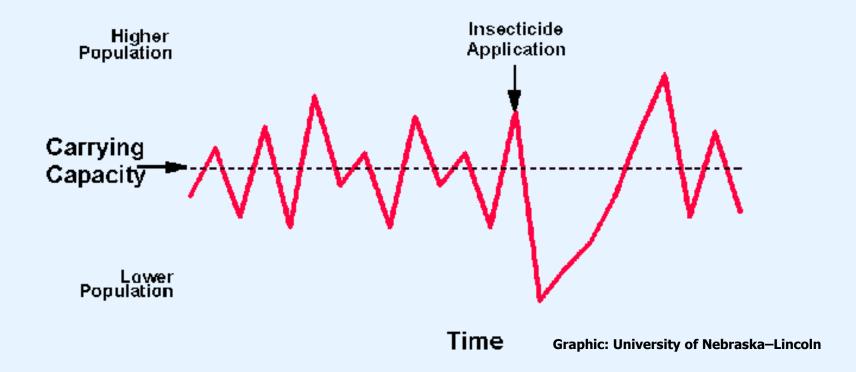
Every kitchen can support a cockroach infestation *Number of cockroaches depends upon amount of resources available:

- ≻ Food
- ≻ Water
- > Shelter

Reduce the resources and the number of cockroaches will also be reduced This number is called the *carrying capacity*



Carrying Capacity for Cockroaches







Reduce or eliminate water, food, and shelter and the carrying capacity will also be reduced











Reduce resources

Fix water leaks



Photo: University of Nebraska–Lincoln

Caution Wet Floor

Empty wash buckets

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Seal cracks and crevices

Reduce resources





Reduce resources

Thoroughly remove food residue





Reduce resources

Vacuuming can remove food residues and live cockroaches

Photos: Nebraska Extension in Lancaster County

Eliminate roach hiding places



Roaches live in "tight spots":

- > Cracks
- Crevices
- Voids





Reduce resources

Seal all cracks, crevices and voids



Reduce resources

Seal all cracks, crevices and voids



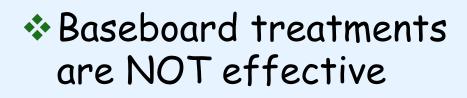


Control tactics available **



Vacuuming

- Baits and Insect growth regulators effective
- Crack and crevice treatments target roach hiding places





...take advantage of all available tactics Neb

Storing pesticides safely

Keep in original containers with intact label

Lock in a cabinet or room

Keep in separate location from cleaning supplies

Follow label directions for disposal





Credits

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Credits

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