

FIELD SANITATION TEAM CERTIFICATION COURSE



LESSON 10 - RODENT MANAGEMENT

FSTCC0010-1

Lesson Objectives

- ***Describe the general characteristics of rodents.***
- ***Identify the habitat, life cycle, food preferences, and physical characteristics of the 3 species of rodents important to military operations.***
- ***Name the human diseases associated with rodents.***
- ***Identify the measures used to control rodents.***
- ***Identify the processes and procedures associated with the disposal of dead rodents.***

Rodent Characteristics



- *Rodents are a large group of mammals.*
- *Rodents have chisel-like incisors.*
- *Rodents do NOT have canine teeth.*

Norway Rat



- *Tail shorter than head and body combined.*
- *Found at ground level in temperate regions.*
- *Prefers meat, fish, and garbage.*

Roof Rat



- *Tail longer than head and body combined.*
- *Found in attics or trees in tropical climates.*
- *Prefers vegetables, fruits, and grains.*

House Mouse



- *Tail about the same length as head and body combined.*
- *Found in a variety of habitats.*
- *Prefers grain and grain products.*

Diseases They Carry - Leptospirosis



Contact between broken skin or mucous membranes with infected soil or water



Contact between broken skin or mucous membranes with urine or tissue of infected rat

Diseases They Carry - Salmonellosis



Eating food prepared on contaminated surface or food that has been directly contaminated



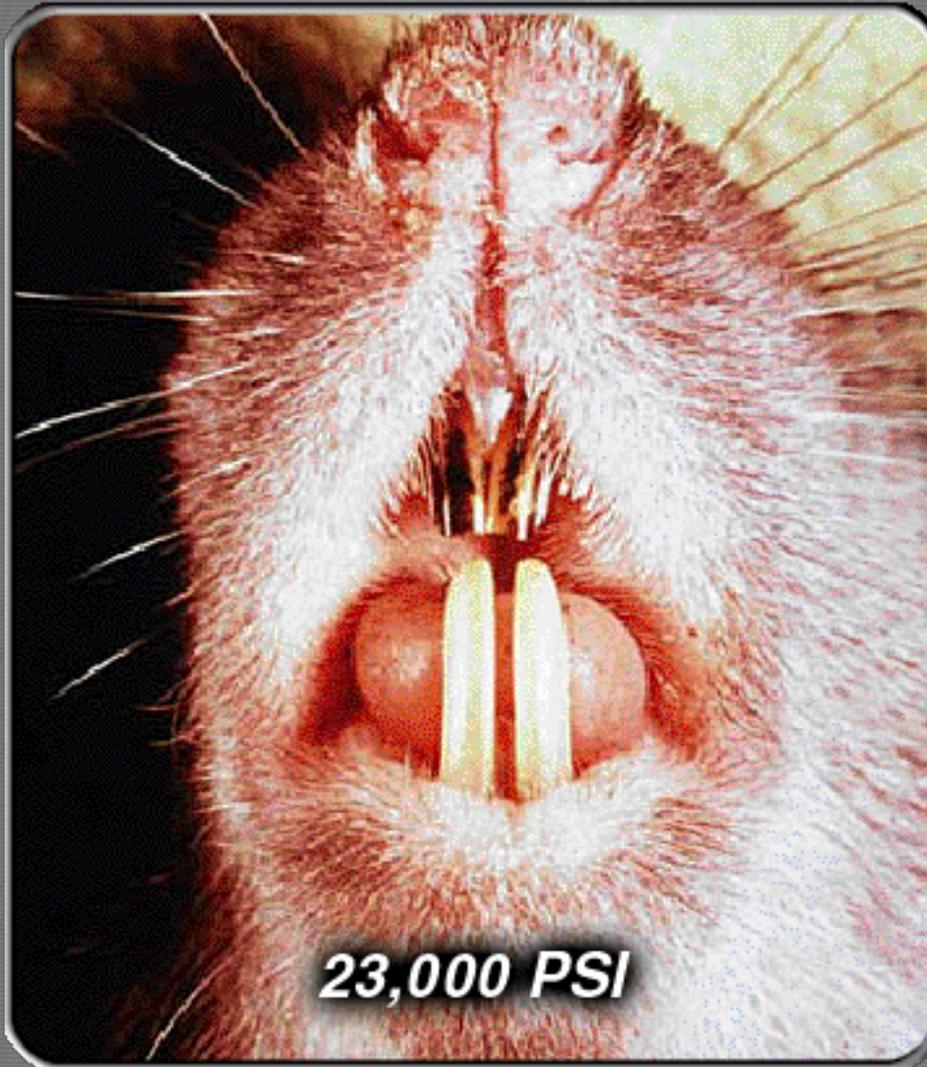
The house mouse is the more common carrier of salmonellosis

Diseases They Carry - Hanta Virus



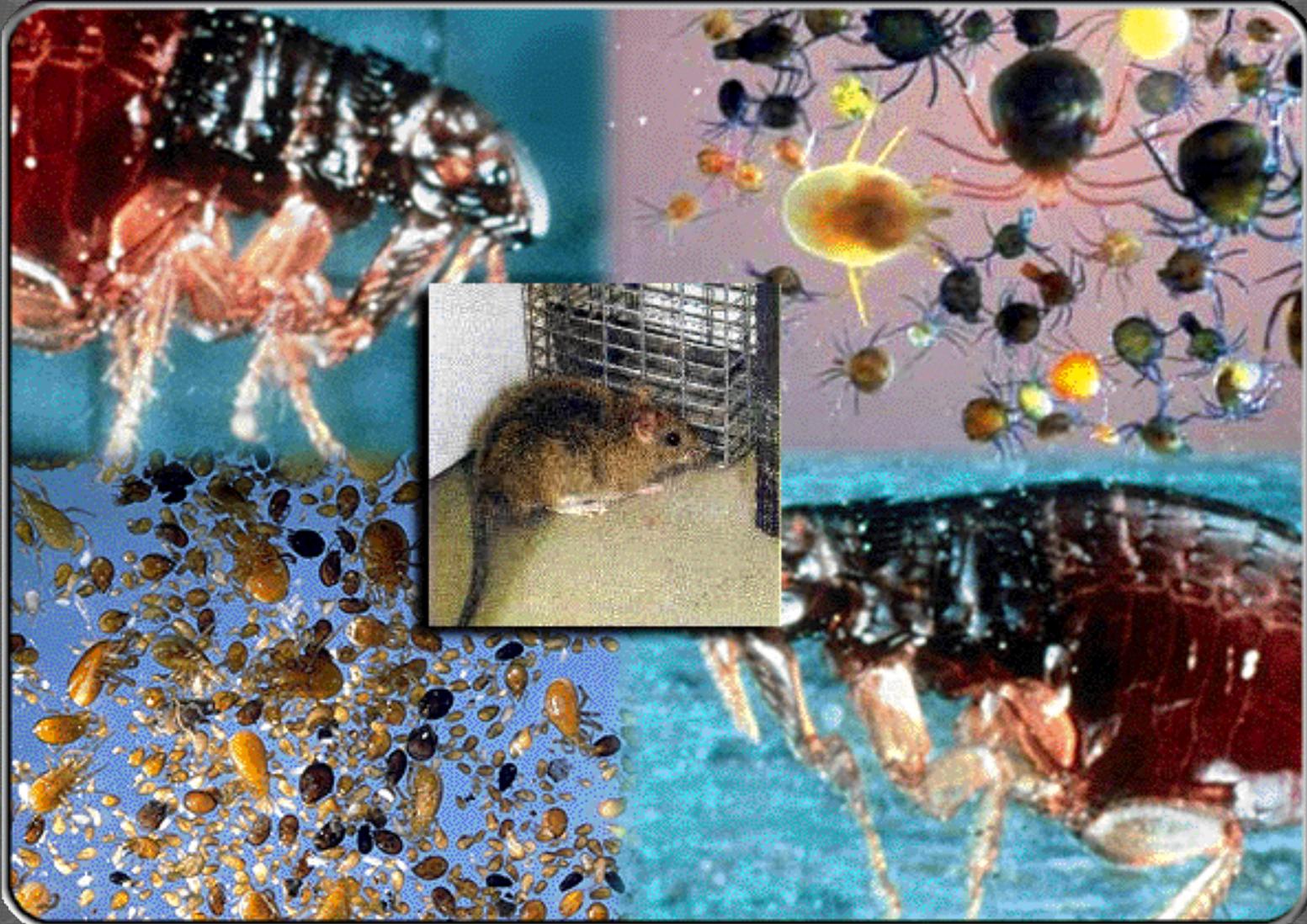
FSTCC0010-9

Diseases They Carry - Rat Bite Fever



23,000 PSI

Diseases They Spread



FSTCC0010-11

Diseases They Spread - Plague

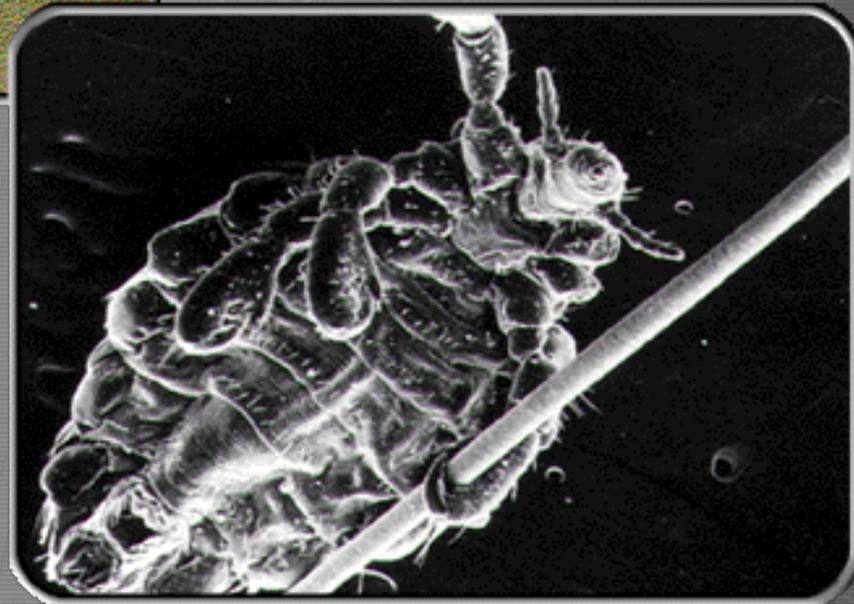


Diseases They Spread - Murine Typhus



FSTCC0010-13

Diseases They Spread - Rickettsial Pox



FSTCC0010-14

Rodent Management



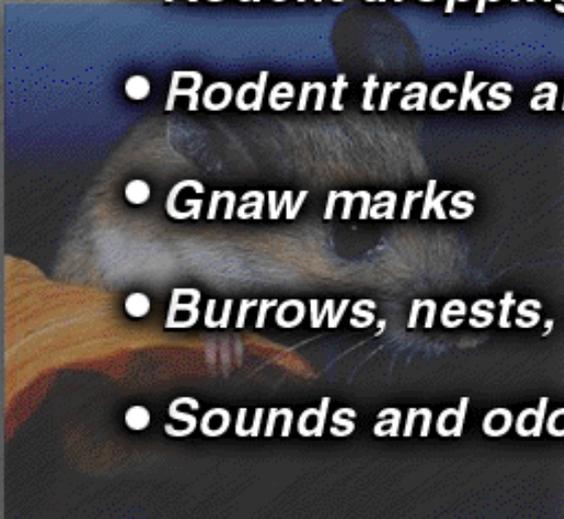
Rodent Management



Rodent Survey

- **Sightings of live rodents**
- **The presence of dead rodents**
- **Rodent droppings and smudge marks**

- **Rodent tracks and trails**
- **Gnaw marks**
- **Burrows, nests, and holes**
- **Sounds and odors**

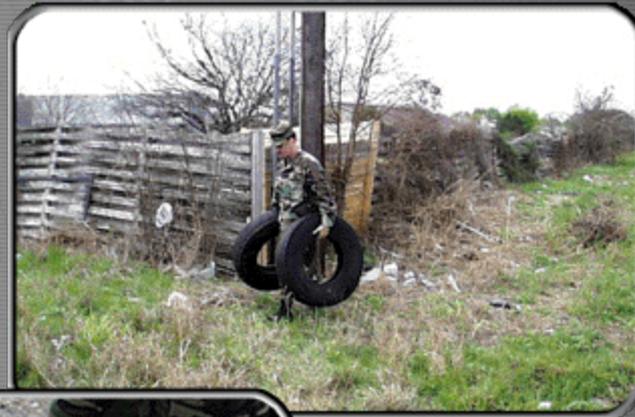


Eliminate the Food Source



- ***Eliminate access to garbage.***
- ***Store food in tightly covered rodent-proof containers.***
- ***Clean up food spills thoroughly.***

Eliminate the Water Source



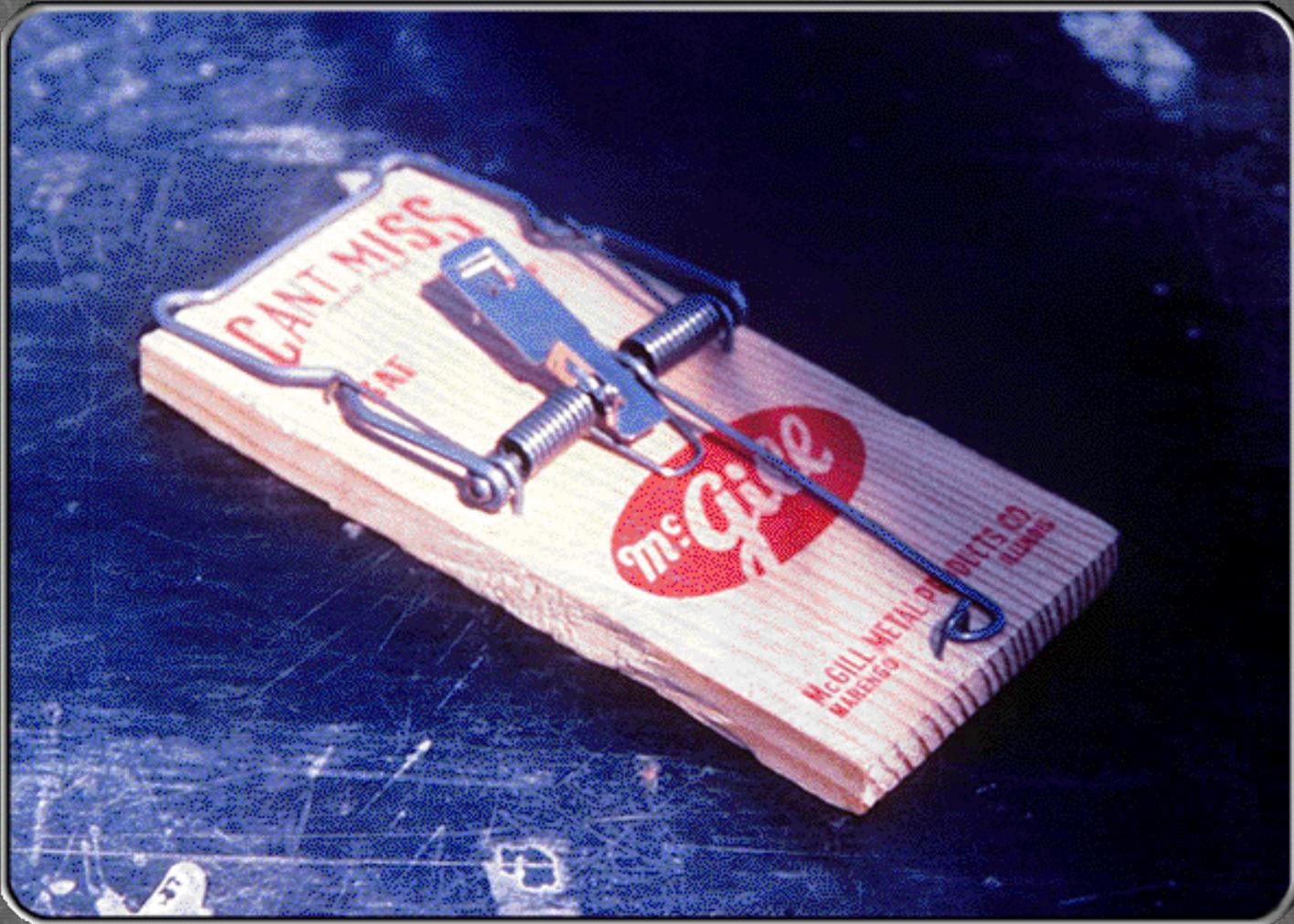
- ***Drain water from low-lying areas.***
- ***Keep stored water in closed containers.***
- ***Check indoor plumbing for leaks.***

Eliminate Shelter



- ***Remove debris and trash from unit area.***
- ***Minimize vegetation overgrowth.***
- ***Keep living areas free from clutter.***

Rodent Traps



FSTCC0010-20

Snap Traps



Set traps where rodents will intercept them:

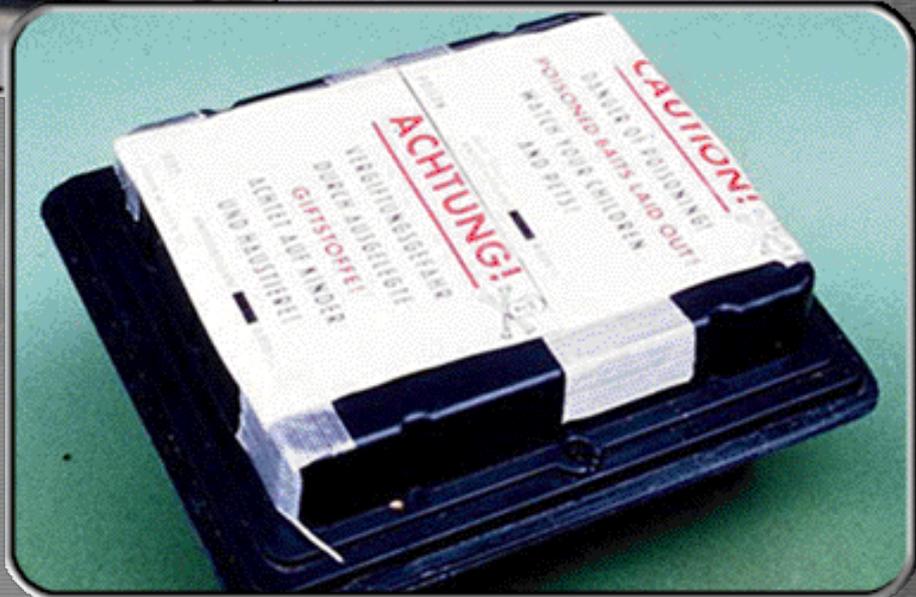
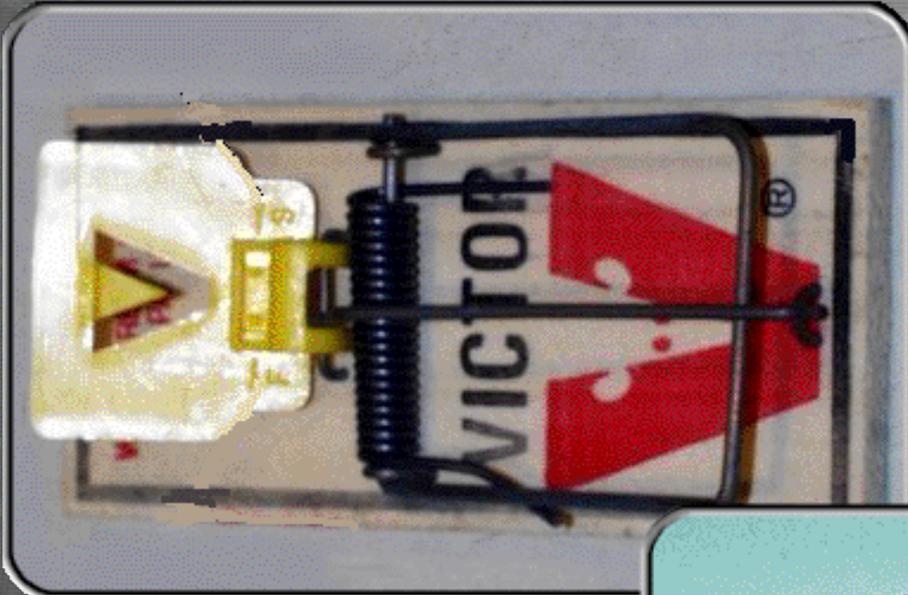
- *Against walls*
- *Behind or under objects*
- *Where rodents have been spotted*
- *Along rodent runways*



Baiting Snap Traps



Bait Stations



WARNING



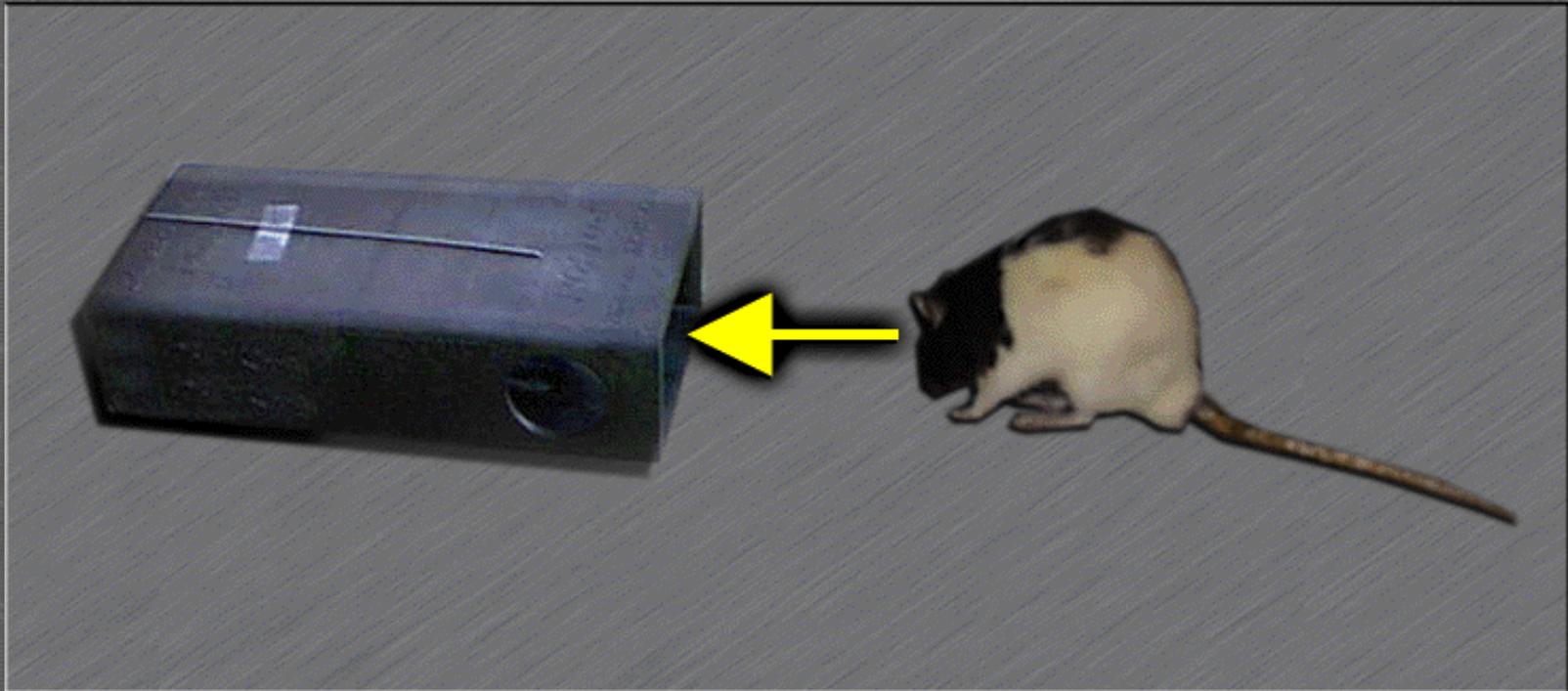
***DO NOT USE THESE CHEMICALS IN
FOOD AREAS OR STORE THEM
WITH OR NEAR FOOD ITEMS.***

Bait Station - Type of Bait



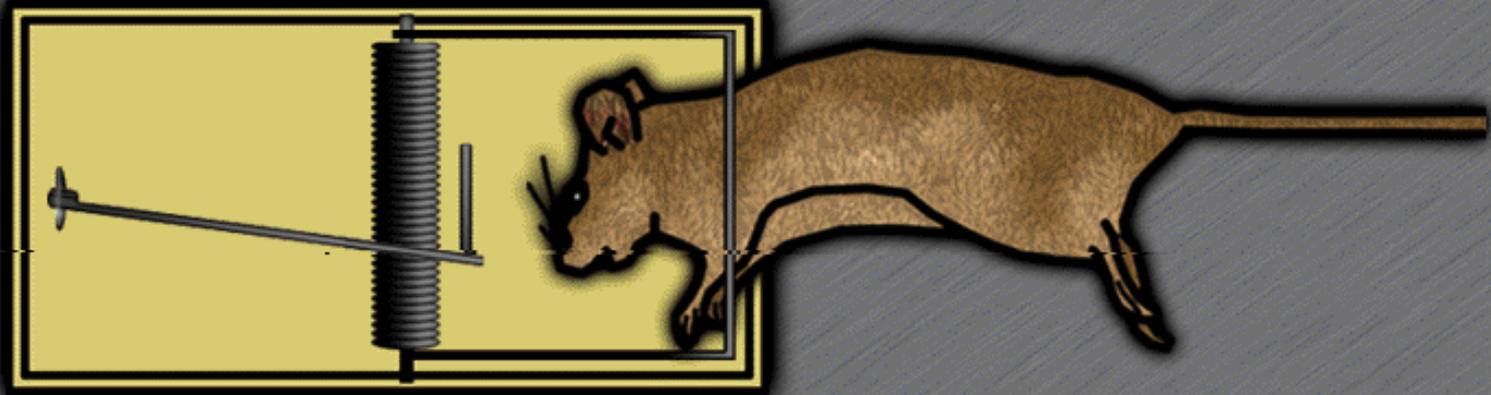
- ***Multiple dose anticoagulants.***
- ***Cumulative effects.***
- ***Cause rodents to hemorrhage.***

Bait Station - Design



- ***Rodent must enter trap to get bait.***
- ***Tamper proof.***

Dead Rodent Removal



- ***Successful trapping results in dead rodents.***
- ***You must protect yourself from the parasites that may still be living on the carcass.***

Use Insect Repellent



- ***Step 1: Apply an approved insect repellent, such as DEET.***

Use a Shovel or Long-handle Tongs



- ***Step 2: Pick up the carcass using a shovel or long-handled tongs.***

Burn or Bury the Carcass



The unit's tactical situation and local environment restrictions will dictate whether you burn or bury the dead rodents.



- ***Step 3: Dispose of carcass.***

SUMMARY