

# Management of Vertebrate Pests

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# Rodents

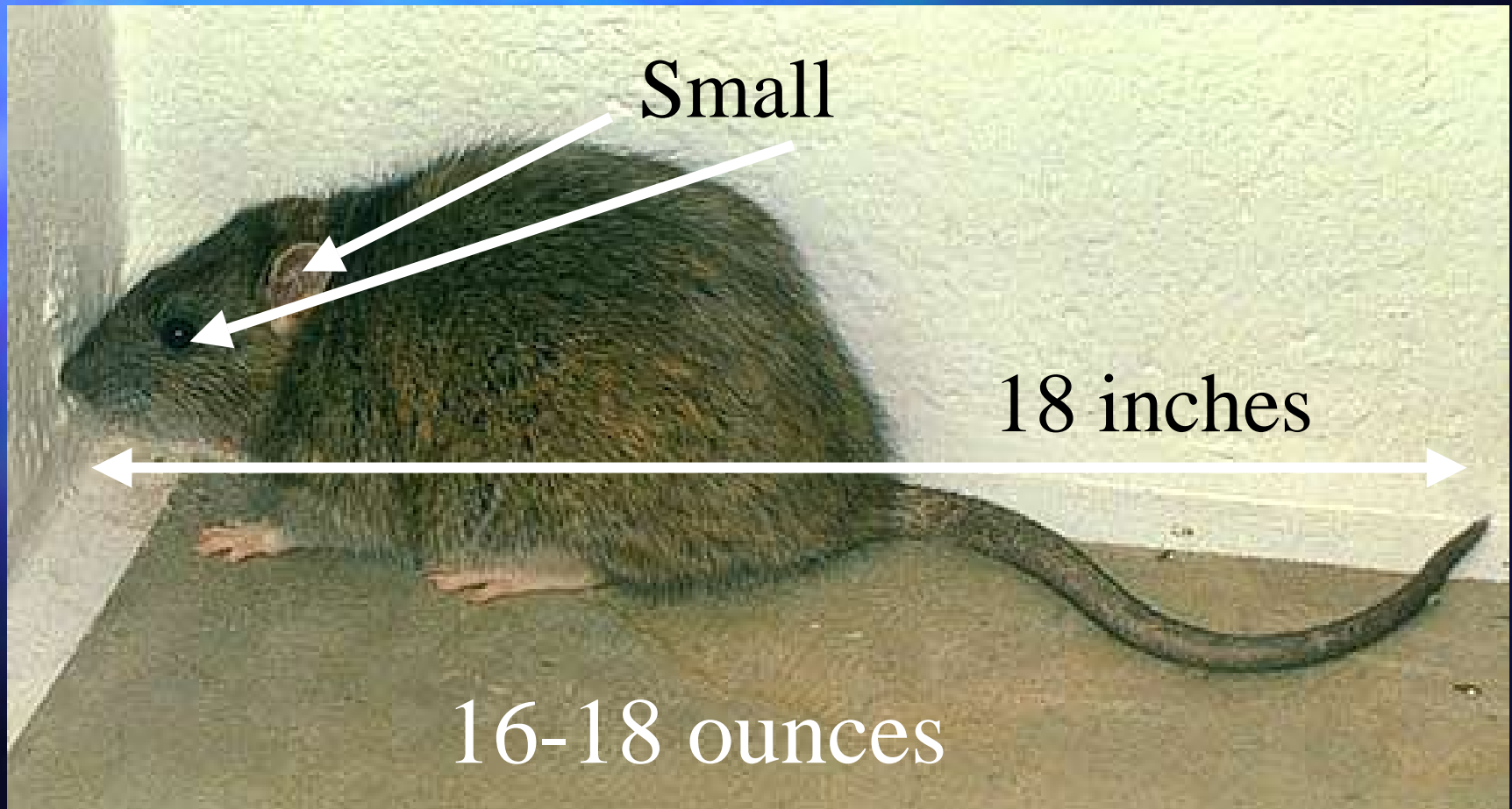
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Norway Rat

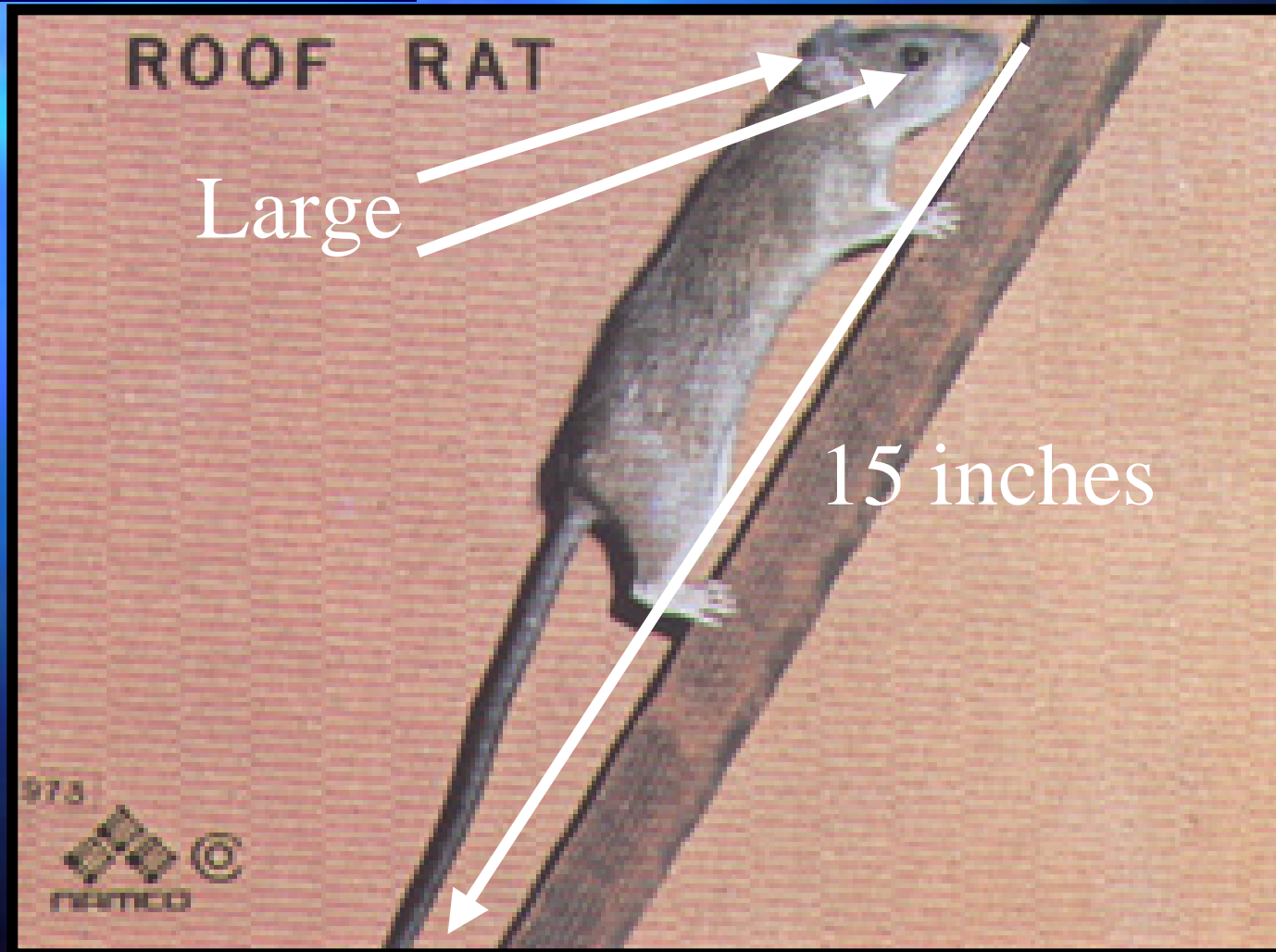
Roof Rat

House Mouse

# Norway Rat



# Roof Rat



# Norway & Roof Rat

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Weaned at 3-4 Weeks

Mate 2-5 Months

Gestation Period 23 Days

Average litter 7-8

3-6 Litters per Year

Average female will wean 20 young/year

Average life span 1 year



# Norway & Roof Rat

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Norway prefers to nest in ground burrows

Roof prefers to nest in elevated areas

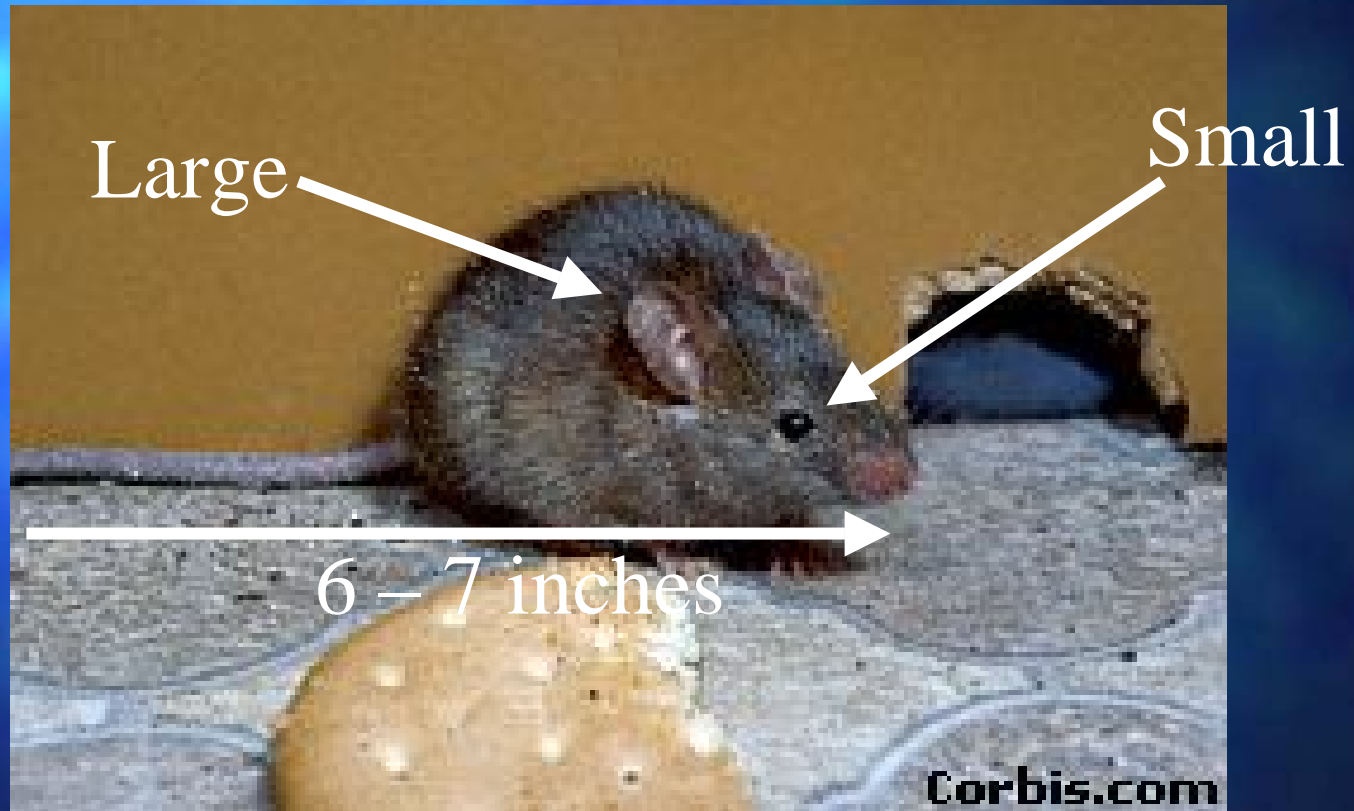
Normally travel well established runways

Neophobic

Enter opening ½ inch or larger

Excellent Swimmers & Climbers

# House Mouse



# House Mouse

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Weaned at 3-4 weeks

Mate 35 days

Gestation Period 19 days

6 young per litter

8 litters per year

Average female will wean 30 young /year

Average life span 1 year



# House Mouse

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Prefer to nest in dark, secluded area

Will move throughout territory daily  
exploring anything new or changed

Excellent climbers

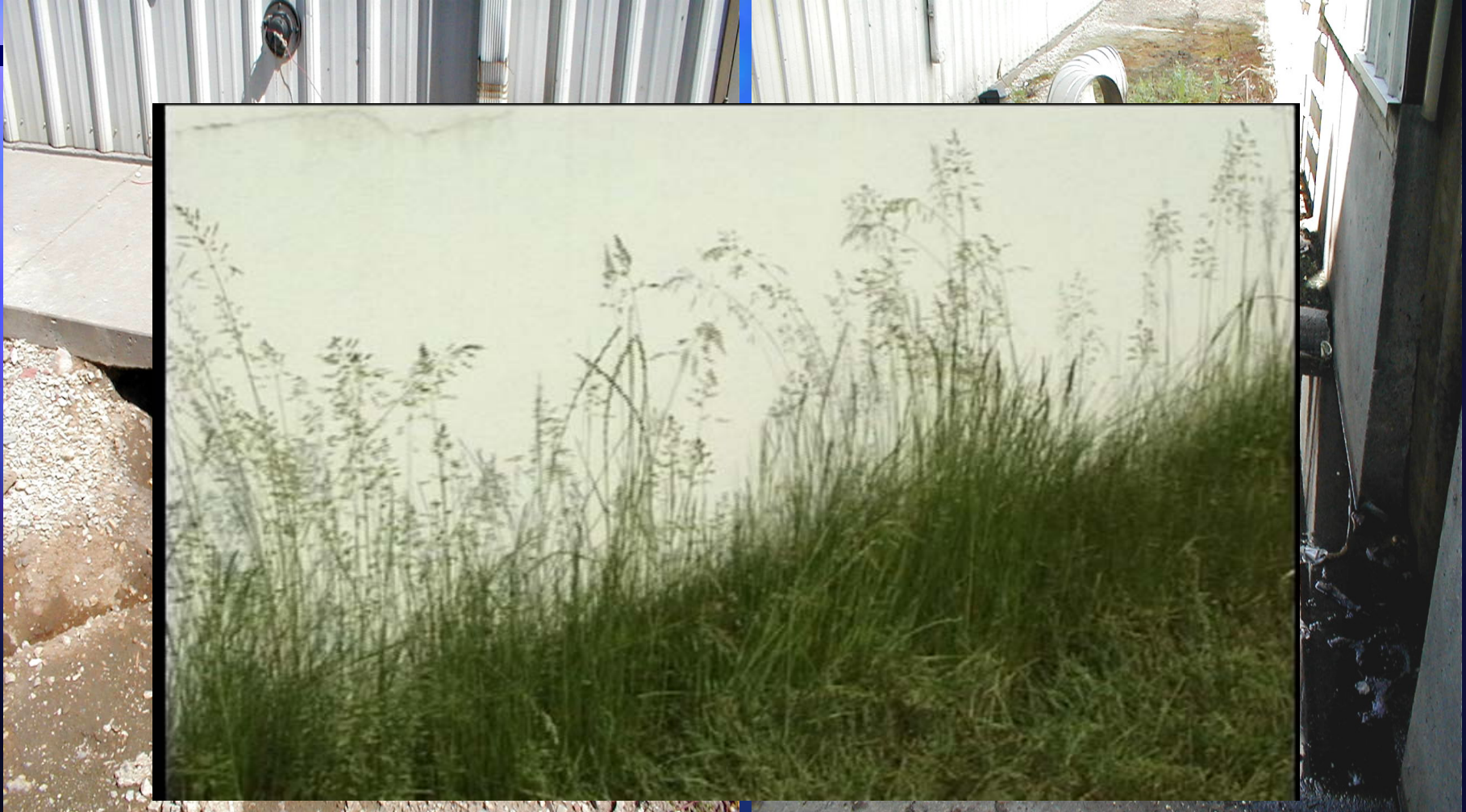
Enter through  $\frac{1}{4}$  inch opening

# Rodent Management

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Sanitation or Habitat  
Modification

# Rodent Management





# Rodent Management





# Rodent Management

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Exterior

Bait Stations

Anticoagulants

Traps

Interior

Traps

# Bait Stations



# Traps



# Traps





# Birds

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Pigeon

English or House Sparrow

European Starling

# Pigeon



# English or House Sparrow

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# European Starling

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# Bird Management

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Exclusion

Repellents

Non-chemical

Chemical

Trapping

# Exclusion



# Exclusion

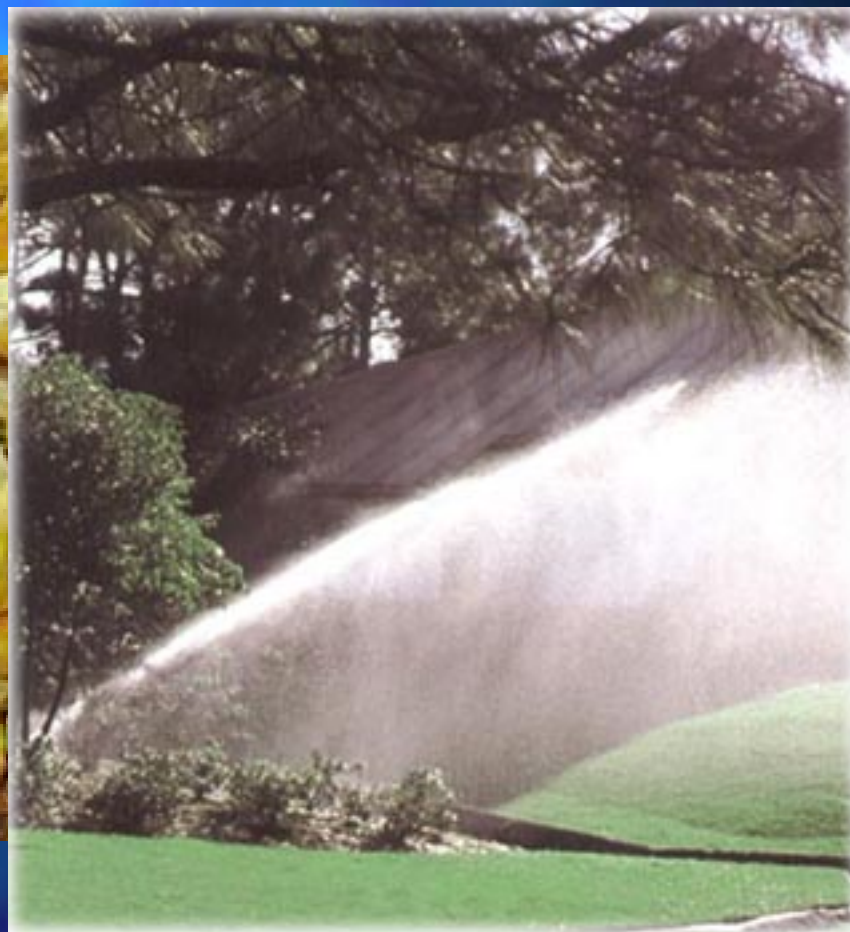


# Repellents





# Repellents



# Trapping



# Other Ideas

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Ultrasonic sound

Exploding noises

Flashing Lights

Balloons

Mylar tape

Inflated or statues of owls, snakes, etc.

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# Other Vertebrate Pests

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[http://wildlifiedamage.unl.edu/  
handbook/handbook/](http://wildlifiedamage.unl.edu/handbook/handbook/)

<http://ianrpubs.unl.edu/wildlife/>



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# Questions?