



HEALTHY GARDEN
HEALTHY HOME

Gophers

Gophers are small burrowing rodents that feed on roots of many types of plants.

A single gopher can ruin a garden in a short time and gopher gnawing can damage irrigation lines and sprinkler systems. In lawns, their mounds are unsightly and interfere with mowing. Early detection is critical to prevent damage. Combine the use of traps and underground fencing to manage gopher problems. Toxic baits are available but can pose threats to wildlife, pets, and children, especially in backyard situations.

Keep your eye out for gopher mounds.

- ◆ Gophers spend almost all their time underground in their burrow and are not commonly seen.
- ◆ Look for mounds of loose dirt that are half circles or crescent-shaped with a plugged hole that is off to one side of the mound.
- ◆ Fresh mounds are the sign of an active gopher. A single gopher can create several a day.
- ◆ In contrast to gopher mounds, mole mounds are circular with a plug in the middle and ground squirrel holes are unplugged without a mound.

Protect plants with underground fencing.

- ◆ Lay hardware cloth or 3/4-inch mesh poultry wire under raised beds before planting.
- ◆ Wire baskets to protect individual shrubs or trees can be installed at planting, leaving enough room for roots to grow.

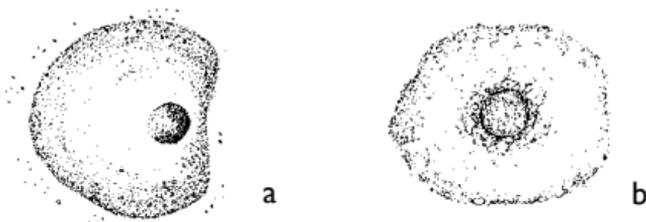
Use traps to reduce the gopher population.

- ◆ Gopher traps are placed underground inside the gopher burrow, so you must use a gopher probe to locate the burrow.
- ◆ Be sure to place traps in active burrows as indicated by fresh mounds.
- ◆ Two common types of traps are pincer traps and box traps.
- ◆ Set traps in tunnels in pairs facing each other.
- ◆ Cover the hole so light does not get in.
- ◆ Check traps often and reset as necessary.
- ◆ Keep trapping until no new mounds are formed.
- ◆ Gopher traps do not require food baits.

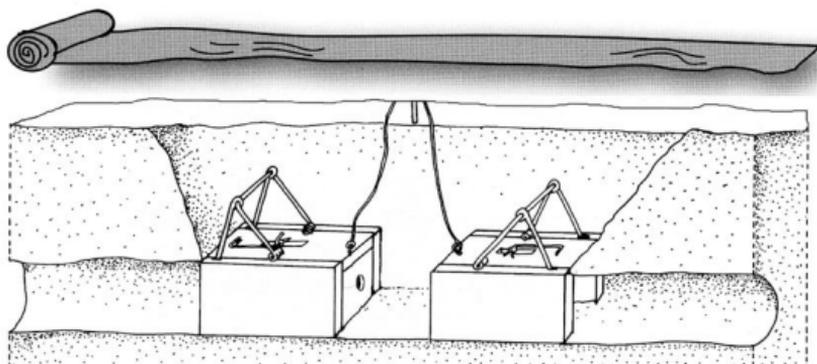
Avoid products and methods that are not proven.

- ◆ Although many predators feed on gophers, installation of owl boxes is unlikely to reduce gopher numbers enough to prevent damage.
- ◆ No repellents currently sold successfully protect plants from gophers.
- ◆ Plants such as gopher purge, castor bean, and garlic have not been shown to repel gophers from an area.
- ◆ Frightening devices such as vibrating stakes, ultrasonic devices, and wind-powered pinwheels have not been effective in research trials.
- ◆ Fumigation with smoke or gas cartridges is not effective because gophers can seal off their burrows rapidly.

Check out our Web site at www.ipm.ucdavis.edu for more details on gophers. See *Pest Notes: Pocket Gophers* or visit the Cooperative Extension offices.



Gopher mounds are half circles with a plugged hole to one side (a). Mole mounds are circular with a plug in the middle (b).



Place gopher traps facing each other in tunnels: Cover access hole with fabric mulch or other material so no light enters.

Use NON-CHEMICAL methods & LEAST TOXIC pesticides. WHY? Runoff from around your home and garden carries water containing pesticides that pollute our streams, rivers, lakes, and oceans.

Learn more about San Diego regional water quality at www.ThinkBlueSD.org & www.ProjectCleanWater.org. For more pest information, visit the University of California IPM Web site at www.ipm.ucdavis.edu or contact the UCCE Master Gardeners at (858) 694-2860, Mon-Fri, 9 am to 3 pm.



It's the water that connects us!