Appendix E: Wildlife trapping and rodentcide



Rodenticide outdoor bait station



Glue product



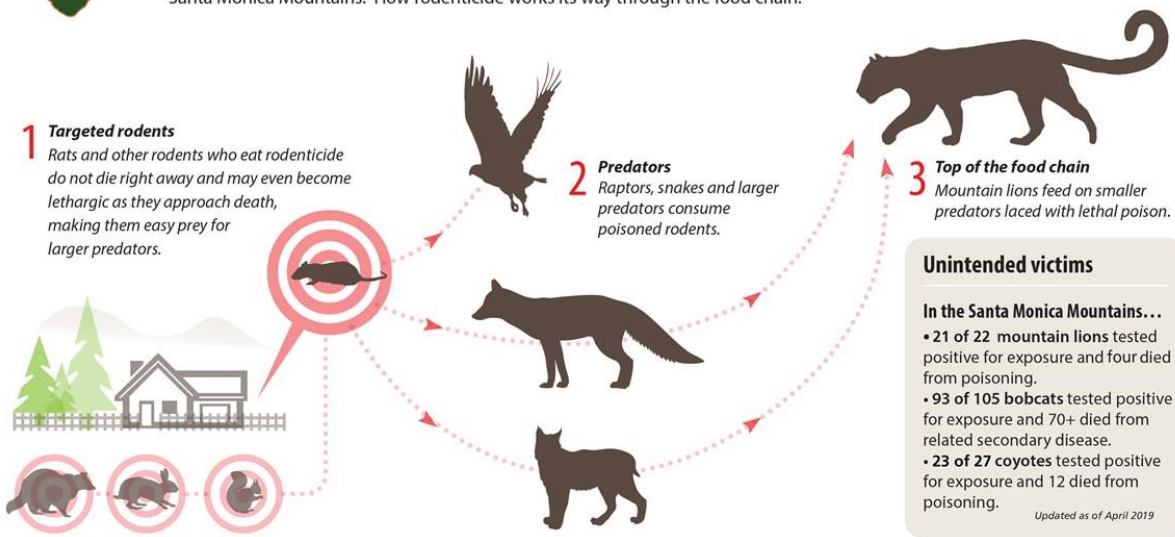
Body hold trap



Live traps

Lethal Dose: Rat Poison & Local Wildlife

Local residents may inadvertently be poisoning wildlife. National Park Service researchers have found a direct link between exposure to anticoagulant rodenticides, commonly known as rat poison, and the deaths of wildlife in and around the Santa Monica Mountains. How rodenticide works its way through the food chain:



1 *Targeted rodents*
Rats and other rodents who eat rodenticide do not die right away and may even become lethargic as they approach death, making them easy prey for larger predators.

2 *Predators*
Raptors, snakes and larger predators consume poisoned rodents.

3 *Top of the food chain*
Mountain lions feed on smaller predators laced with lethal poison.

Unintended victims

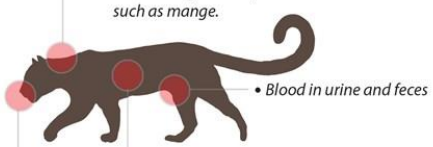
In the Santa Monica Mountains…

- **21 of 22 mountain lions** tested positive for exposure and four died from poisoning.
- **93 of 105 bobcats** tested positive for exposure and 70+ died from related secondary disease.
- **23 of 27 coyotes** tested positive for exposure and 12 died from poisoning.

Updated as of April 2019

How anticoagulant rodenticide kills

These compounds interrupt blood-clotting, which leads to uncontrolled bleeding and death. They may also suppress the animal's immune system, making it susceptible to other diseases. **Symptoms include:**



- *Secondary disease, such as mange.*
- *Blood in urine and feces*
- *Nosebleeds*
- *Bleeding gums*
- *Ruptured blood vessels, causing bruising*
- *Internal hemorrhaging*

What is mange?

A microscopic mite that burrows into the skin and causes...

1. Extreme itchiness and skin lesions.
2. Fluid and nutrient loss through the skin.
3. Infection, starvation, hypothermia or other complications, eventually leading to death.

Check the label

Here are the most common anticoagulant compounds:

- ***Bromadiolone***
- ***Brodifacoum***
- ***Diphacinone***
- ***Difethialone***

SOURCES: Santa Monica Mountains National Recreation Area research, L.E.K. Serieys, UrbanCarnivores.com

CREDIT: National Park Service
http://1.usa.gov/1SuhsXv

Rodenticide- Non-target animals