

Small Farm - Gophers and Squirrels

UC Cooperative Extension
Richard Molinar & Michael Yang



~ ~ **Vertebrates** (with a backbone) ~ ~

1. **S**_____. live in colonies (families) together -- (Nas –Hmong)

1. active only during daytime
2. usually hibernate (sleep) in winter and middle of summer
3. prefer green plants in spring, nuts and seeds in summer/fall
4. has open holes/mounds
5. can spread disease (plague)

CONTROL:

- a. trapping ?
- b. fumigants: gas cartridges from the ag commissioner
phostoxin tablets (restricted, from chemical suppliers)
- c. baits: ‘diphacinone’ - make sure the bait is available for 5 days. Can be sprinkled on the ground or put in bait boxes (depends on concentration).
‘zinc phosphide’ - restricted, from ag commissioner, mostly rangeland.

2. **G**_____. live by themselves (one per tunnel system) --(Nas Qhov Av –Hmong)

1. can feed day or night
2. feeds throughout the whole year
3. feeds on roots, stems, irrigation tubing
4. has closed holes/mounds (plugged)

CONTROL:

- a. have to find opening to burrow system (mains & laterals)
- b. trapping: macabe traps ± \$7.00 each. for small populations
- c. baits: ‘strychnine’ - from chemical supply houses, restricted.
‘phostoxin’ - tablets from chemical supply houses, restricted
(very effective)
- d. questionable: gas cartridges, flooding, car exhaust, flares, dogs, plants (gopher)

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Hmong Translation
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~ ~ **Vertebrates** (Tsiaj muaj txha nraub qaum) ~ ~

1. **S** _____ . Nyob muaj tej pab (families) ua ke -- (Nas –Hmong)

1. Nws nyiam yos nyob rau nraub hnub xwb.
2. Ntau zaus mas nws pw (sleep) nyob rau lub caij ntuj no mus rau ib nraub ntuj so.
3. Nyiam noj tej khoom mos mos thaum Spring, tej nuts thiab noob qoob thaum caij ntuj so thiab caij ntuj no.
4. Ntawm xub nas, lub ncauj qho cia qheb lug cia
5. Cov nas nod nws kuj muaj kis tau kab mob txhais tias (plague)

Tswj licas:

- a. Cuab ntxiab ?
- b. Fumigants: Siv cov pa gas yuav hauv ag commissioner
phostoxin tablets (restricted, hauv cov tsev muag tshuaj los siv)
- c. Tshuaj lom nas (baits): ‘diphacinone’ – Nco ntsoo kom muaj cov tshuaj no li 5 hnub. Cov tshuaj no yeej muab tseb rau ntawm tej av los yog muab tso rau tej lub thawv. (Nyob ntawm tej hom tshuaj xwb).
‘zinc phosphide’ - restricted, tshuaj txwv nyob hauv ag commissioner, feem ntau yog cov rangeland.

2. **G** _____ . Nyob nws tus kheej (ib tug nyob ib lub qhov) --(Nas Qhov Av – Hmong)

1. Nws noj nyob rau nraub hnub thiab hmo ntuj.
2. Nws noj tej khoom txhua lub sijhawm ntawm lub xyoo ntawv.
3. Nws noj tej cag, tej kav, txo tej hlua tso dej.
4. Nws txhub nws lub qhov thaum ua ib pawg pleb (plugged)

Tswj licas:

- a. Nrhiav lub ncauj qhov nas (lub ncauj qho & cov kab qhov tuaj tshuam)
- b. Cuab ntxiab: macabe traps ± \$7.00 each. for small populations
- c. Tshuaj lom nas (baits): ‘strychnine’ - from chemical supply houses, restricted.
‘phostoxin’ - tablets from chemical supply houses, restricted
(very effective)
- d. Tej yam xav tias yuav siv tau: gas cartridges, tso dej rau, siv cov pa ntawm raj cua tshab, flares, siv dev lawv, cog tej khoom nas tsis nyiam rau (gopher repelled plant)?