

CA GROUND SQUIRREL CONTROL



CA GROUND SQUIRREL

- ▶ Damage
- ▶ Biology
- ▶ Control Options
- ▶ Regulatory Requirements
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- ▶ State
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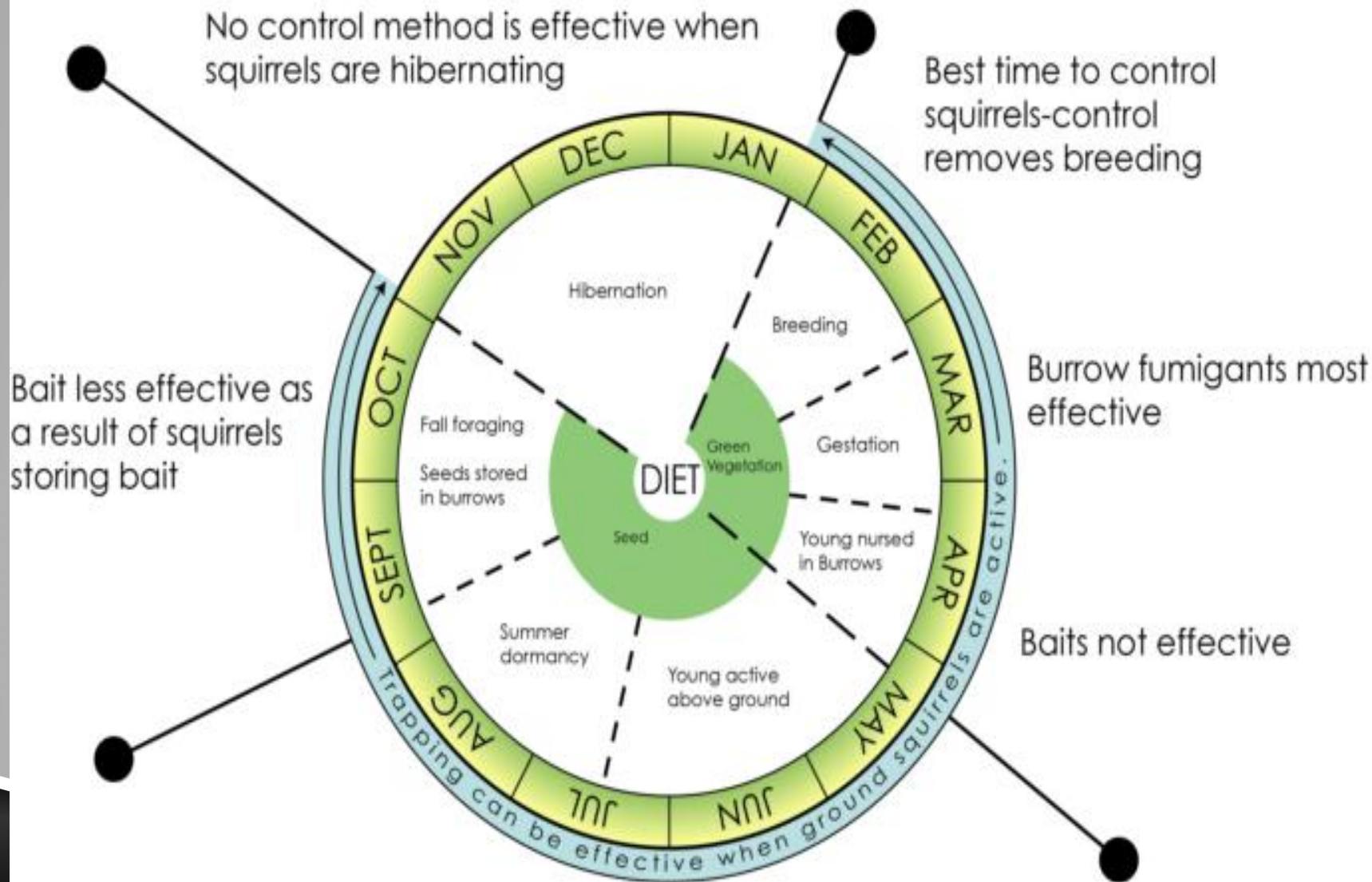
CA GROUND SQUIRREL DAMAGE



CA GROUND SQUIRREL BIOLOGY

- ▶ **Ground squirrels are diurnal and love to warm themselves in the fair weather sun.**
- ▶ **Approximately, 80% hibernate during the winter,**
- ▶ **40-60% estivate during the summer.**
- ▶ **Breeding occurs during January through March.**
- ▶ **One litter per year with 6 to 8 young each litter.**
- ▶ **Young emerge late-April into June.**

California Ground Squirrel - Calendar of Management



Poison baits are most effective during this period

DAMAGE



CONTROL METHODS REQUIRING LICENSING

- ▶ Poison Baiting with treated grain baits
- ▶ Diphacinone and Chlorophacinone .005% and .01%,
Zinc Phosphide 2.0%
- ▶ Fumigation
- ▶ Gas cartridges or aluminum phosphide
(phostoxin/fumatoxin)

REGULATORY REQUIREMENTS

- ▶ Licensing
 - ▶ Private Applicator Card (PAC)
 - ▶ State Issued (PCA, QAL, QAC)
- ▶ Permitting
 - ▶ Operator ID #
 - ▶ Restricted Materials vs Non-Restricted
- ▶ Label Requirements
- ▶ Reporting
 - ▶ Notice of Intent (NOI's)
 - ▶ Management Plans
 - ▶ Use Reporting

SPECIMEN LABEL

**RESTRICTED USE PESTICIDE
DUE TO HAZARD TO NON-TARGET SPECIES**

For retail sale to and use only by certified applicators or persons under their direct supervision and only for those uses covered by the certified applicator's certification.

Ramik® Oats
Kills Ground Squirrels
For Control of California Ground Squirrels

<p>ACTIVE INGREDIENT: Diphacinone (2-Diphenylacetyl-1,3-Indandione).....0.005%</p> <p>OTHER INGREDIENTS:.....99.995%</p> <p>TOTAL:.....100.000%</p> <p><small>EPA Reg. No. 61282-24 EPA Est. No. 61282-WI-01</small></p>	<p style="text-align: center;">TREATMENT FOR PET POISONING <small>If animal eats bait, call veterinarian or 1-800-498-5743 at once.</small></p> <p style="text-align: center;">NOTE TO VETERINARIAN <small>Contains the anticoagulant Diphacinone. If swallowed, this material may reduce the clotting ability of the blood and cause bleeding. For humans or animals ingesting bait and/or showing poisoning signs (bleeding or elevated prothrombin times) give Vitamin K₁ intramuscularly or orally.</small></p> <p style="text-align: center;"><small>For 24-hour emergency information on this product, call 1-800-498-5743 (US & Canada) or 1-651-523-0318 (all other areas).</small></p>
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**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID HAVE LABEL WHEN OBTAINING TREATMENT ADVICE	
If Swallowed	<ul style="list-style-type: none"> Call a poison control center, or doctor, or 1-800-498-5743 immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor.
If on Skin or Clothing	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center, or doctor, or 1-800-498-5743 immediately for treatment advice.
If in Eyes	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center, or doctor, or 1-800-498-5743 immediately for treatment advice.

NOTE TO PHYSICIAN

If swallowed, this material may reduce the clotting ability of the blood and cause bleeding. If ingested, administer Vitamin K₁, intramuscularly or orally. Repeat as necessary based on monitoring of prothrombin times.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION: Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Keep away from children, domestic animals and pets.**

Personal Protective Equipment (PPE):
All handlers (including applicators) must wear long-sleeved shirt, long pants, shoes, socks and water-proof gloves. Any person who retrieves carcasses or unused bait following application of this product must wear waterproof gloves.

User Safety Requirements
Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash hands thoroughly after applying the bait and before eating, drinking, chewing gum, using tobacco or using the toilet and change into clean clothing.

ENVIRONMENTAL HAZARDS
This product is extremely toxic to mammals and birds. Dogs, cats and other predatory and scavenging mammals and birds might be poisoned if they feed upon animals that have eaten this bait. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water or rinseate.

This specimen label is intended for use only as a guide in providing general information regarding the directions, warning and cautions associated with the use of this product. As with any pesticide, always follow the label instructions on the package before using.

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ALTERNATIVE CONTROL METHODS

- ▶ Gassing
 - ▶ Rodenator
- ▶ Trapping
- ▶ Shooting



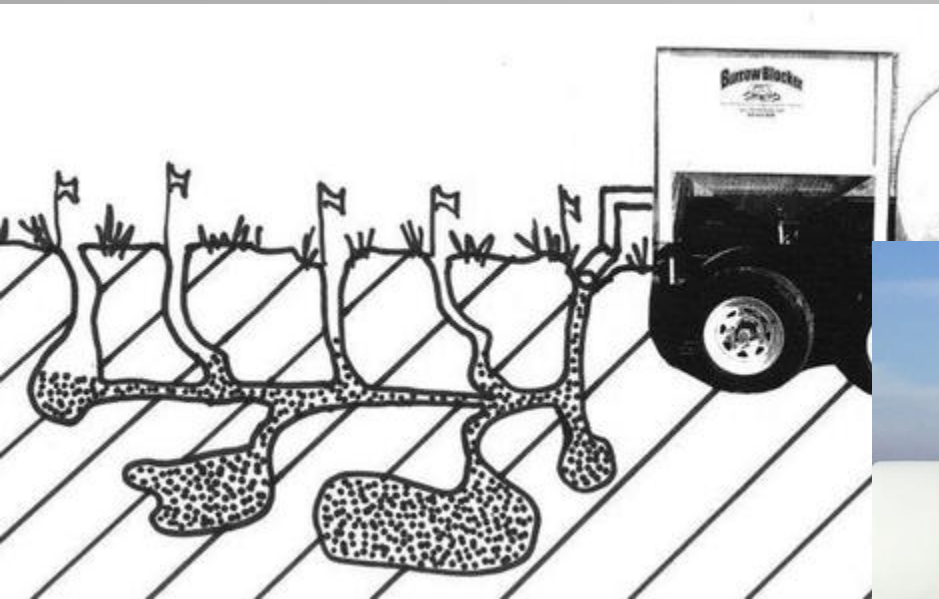
NEW INNOVATIONS

GOODNATURE A24 TRAP



NEW INNOVATIONS

BURROW BLOCKER



SQUIRREL CONTROL

- ▶ WILDLIFE ARE THE PROPERTY OF THE CITIZENS.
- ▶ NOBODY OWNS THEM.
- ▶ In the United States, wild animals do NOT belong to the property owner. Any action taken upon wildlife must be in a manner consistent with Federal, State and local government regulations.
- ▶ California Ground Squirrels are non-game animals and may be taken at any time

GIVES AND TAKES AWAY

REPORTING!

- ▶ Bait mis-use
- ▶ Visit CDFA VPRAC site
- ▶ UC extension
- ▶ Internet
- ▶ Questions