

REVENGE[®]

RODENT SMOKE BOMB

DIRECTIONS FOR USE AND ENDANGERED SPECIES CONSIDERATIONS

DIRECTIONS FOR USE: It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

USE RESTRICTIONS

This product may be used to control pocket gophers, woodchucks, Norway rats, skunks, and ground squirrels on lawns, parks, golf courses, rangeland, reforested areas, open fields, meadows, and non-crop areas. Not for use in North Carolina. This product may only be used underground in burrow systems. It may not be used to fumigate buildings, other man-made structures, or burrows which may lead into such structures. Use only for the sites, pest, and application methods described on this labeling.

Do not use this product anywhere where use of gas cartridges is prohibited by local ordinances. Do not use this product near flammable materials or when either the soil or the vegetation in the area to be treated are in extremely dry conditions.

USE THIS PRODUCT ONLY IN BURROW SYSTEMS KNOWN TO BE IN ACTIVE USE BY THE TARGET SPECIES. Do not apply cartridges to burrows or dens known or believed to contain nontarget vertebrate animals. Before using product, read the entire label including the insert entitled "ENDANGERED SPECIES CONSIDERATIONS."

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close burrows before lighting cartridge.

Follow "General Procedures" indicated above. Light fuse and carefully insert cartridge, fuse-end first, into one side of the open runway. Immediately close the opening with dirt or damp sod. If smoke is seen escaping from other holes, plug them firmly with soil. Treat all active mounds. One cartridge placed in the end of a runway should be sufficient. One or more additional cartridges must be used if treatment takes place in the middle of a runway or if a runway is "T-shaped". Otherwise, there is a 50% chance that the pocket gopher will be on the untreated side of the plugged runway.

Within 5 days of treatment, check area for appearance of fresh mounds which could be the work of survivors or gophers that have moved into the treated area. Retreat all systems with evidence of new pocket gopher activity.

GROUND SQUIRRELS: Ground squirrel burrow designs vary with the species, soil type, habitat, and climate. Burrows may be as much as 9' deep. Burrow diameter varies with the body size of the species (and other factors) and may range from 2-10".

It is preferable to treat ground squirrel burrows during the Spring breeding season. Observe the area in early morning before treating burrows to confirm that ground squirrels are actively using the site. DO NOT treat unoccupied burrows. DO NOT treat burrows with evidence that a snake or weasel has entered in pursuit of prey.

Follow "General Procedures" indicated above. Collect plenty of dirt and other material for closing burrow openings. Make sure openings are large enough for easy insertion of lit cartridge.

Light fuse and carefully insert cartridge, fuse-end first, into the burrow entrance. Cover hole immediately, taking care not to smother cartridge with loose dirt. Immediately cover all other openings from which gas escapes. Proceed to the next closest open burrow and treat it in the same manner.

Within 5 days of treatment, check area for appearance of live ground squirrels or opened burrow systems which could be the work of survivors or squirrels that have moved into the treated area. Retreat all systems with evidence of residual activity. If initial treatment fails, retreat with two cartridges

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APPLICATION DIRECTIONS

General Procedures: Refer to specific directions for the type of animal to be controlled. These directions indicate how to determine whether burrow systems are active and how to treat such systems. Carefully observe areas to be treated. Apply cartridges only to burrow systems or dens currently being used by target species.

Before using this product, follow these steps:

1. Read and understand the specific directions for the type of animal that you intend to control.
 2. Collect amounts of soil, rocks, and other noncombustible materials sufficient for closing burrow systems.
 3. Test to make sure that holes into which cartridges are to be placed are large enough for easy, fuse-end-first insertion.
 4. Assume a position that will permit you to light fuse and promptly insert cartridge into burrow. Hold cartridge away from body with fuse end pointed outward. Light fuse. DO NOT INHALE TOXIC FUMES. Place cartridge, fuse-end first, as far into the burrow as possible.
- NOTE: The minimum fuse time is 5 seconds.*
5. Insert cartridges into burrow immediately after fuse is lit. Do not hold burning cartridges in your hand. Do not use cartridges where vegetation is dry and likely to catch fire.
 6. Immediately close treated entrance to burrow system. Cover all holes and cracks in soil where smoke escapes.



NOTE: The effectiveness of this product will be limited under conditions of dry or porous soil which permit the escape of toxic gases from treated burrow.

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NORWAY RATS: Use this product only where burrows are isolated from homes, barns, and all other man-made structures. DO NOT USE inside buildings or anywhere where gases could enter buildings. Do not use in burrow systems made in loose or dry soil or in any flammable substrate.

Follow "General Procedures" indicated above. Collect plenty of dirt and other materials for closing burrow openings. Treat each burrow by lighting fuse and inserting cartridge, fuse-end first, into hole. Cover hole immediately, taking care not to smother cartridge with loose dirt. Immediately cover all other openings from which gas escapes. Proceed to next closest burrow and treat as above.

SKUNKS: Track individual skunks to dens. Treat dens for which the tracking evidence indicates that skunks have entered. Do not treat dens under structures or buildings. Do not use where toxic gases could reach humans, pets, or domestic animals including wildlife.

Make sure cartridge will pass easily onto opening. Close all known openings to den other than the one to be treated. Obtain material to plug entrance.

Follow "General Procedures" indicated above. Light fuse and carefully insert cartridge, fuse-end first, as far as possible into the den entrance. Close hole immediately, taking care not to smother cartridge with loose dirt. Immediately cover all other openings from which gas escapes. (If den entrance is steep, modified procedures may be needed to keep the contents of the cartridge from flowing out of the burning end. Place cartridge as deep as possible in entrance with fuse end facing away but elevated relative to the rest of cartridge. Light cartridge in place and immediately close opening.) If initial treatment fails, retreat with two cartridges.

ENDANGERED SPECIES CONSIDERATIONS

I. General Considerations

NOTICE: It is a Federal offense to use any pesticide in a manner that results in the death of a member of an endangered species. The use of this product may pose a hazard to Federally designated endangered/threatened species.

To protect endangered species, use this product according to the "Endangered Species Considerations" section of the enclosed "Pamphlet Insert" and the guidance in the following paragraph.

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TARGET-SPECIFIC APPLICATION DIRECTIONS

WOODCHUCKS: Consult State wildlife agency before using this product to control woodchucks. Examine burrows to be sure that they are in active use by woodchucks. Woodchuck burrows are roughly 10-12 inches in diameter. Active burrows have a mound of fresh soil at the main entrance and trails leading to feeding areas. Do not use this product if nontarget species are observed entering or using the burrow. It is preferable to control woodchucks in February or March before young are born and leave the burrows. Fewer nontarget species use the burrows in the early Spring. Use extra caution when treating woodchuck burrows in October through January when the systems may be occupied by cottontail rabbits.

Locate all burrow entrances if possible. Select one for treatment and close all others with rocks and soil, being careful not to smother cartridge. Follow "General Procedures" indicated above. Light fuse and insert cartridge fuse-end-first as far as possible into burrow. Immediately cover treated opening with rock and soil, being careful not to smother the cartridge. If initial treatment fails, re-treat with two cartridges.

POCKET GOPHERS: Pocket gopher burrow systems usually consist of a main burrow 4-20" (10-50 cm) below the ground surface and variable numbers of lateral burrows off of the main underground runway. Deeper branches off of the main runway are used as nests and for food caches. Burrow diameter ranges from 2 - 5" (5-12 cm) and varies with the size of the species.

Locate characteristic fan-shaped soil mounds which have signs of recent pocket gopher activity (e.g., recently excavated soil) at their plugged entrances. Remove soil plug from the center of each burrow entrance. Return the next day to see if the burrow opening has been replugged, indicating active use by a pocket gopher. DO NOT treat burrows that remain unplugged.

Find the horseshow-shaped depression on one side of the mound. Locate the main runway by probing the ground 15-18" from the mound, starting on the same side as the depression. The main runway has been located when the probe meets little or no resistance. Using a shovel or trowel, dig down to the main runway, taking care not to block it with soil.

Make sure that cartridge will pass easily into opening and that enough material is on hand to

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Suggested measures to protect endangered species in your county may exist in an EPA "Interim Measures" pamphlet. You may call EPA's Endangered Species Hotline, 1-800-447-3813, to find out if any "Interim Measures" pamphlet exists for your county and have one sent to you. You can also consult your local county extension office or pesticide state lead agency to determine whether they have imposed any requirements in your area to protect endangered and threatened species.

II. Specific Considerations

1. **Black-Footed Ferret:** Do not use this product in the range of the Black-footed ferret. Contact the nearest U.S. Fish and Wildlife Service office, Endangered Species Specialist, before the product is used. They will arrange for a survey of the proposed use site.

2. **Utah Prairie Dog:** Do not use this product in the range of the Utah Prairie Dog. (Utah)

3. **San Joaquin Kit Fox:** This pesticide should not be used within one mile of active dens of the San Joaquin kit fox in the following California counties: Kern, Kings, Fresno, San Luis Obispo, Merced, Monterey, Santa Barbara, Ventura, Tulare and San Benito. Prior to use, contact the California Department of Fish and Game for recommendations.

4. **Blunt-Nosed Leopard Lizard:** This pesticide should not be used in the range of the Blunt-nosed leopard lizard in the following California counties: Kern, Fresno, Kings, Madera, Merced and Tulare. Prior to use, contact the California Department of Fish and Game for recommendations.

5. **Easter Indigo Snake:** Do not use this product in the range of the Eastern Indigo snake in the following states: Mississippi, Alabama, South Carolina, Georgia and Florida.

6. **Desert Tortoise:** This pesticide should not be used in the critical habitat of the Beaver Dam slope population of the Desert tortoise in Utah. This comprises an area extending from the southwest-facing slope of the Beaver Dam mountains, across Highway 91, west along the Arizona border and 10 miles to the Nevada border.

QUESTIONS OR COMMENTS?

Call 1-914-235-5300. Weekdays, 9-5 Eastern Time
Or write Jim Barry, Consumer Relations
EPA Reg. No. 9086-4, EPA Est. No. 9086-THA-001

Manufactured for:
Roxide International, Inc.
P. O. Box 249
New Rochelle, NY 10802

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WARNING: After ignition, cartridge produces toxic gasses. Fumes may be harmful if inhaled. Net Weight 1 oz. [each cartridge]

KEEP OUT OF THE REACH OF CHILDREN

IMPORTANT: SEE PRECAUTIONARY STATEMENTS ON BACK OF PACKAGE AND FOLLOW ENTIRE DIRECTIONS FOR USE BEFORE USING.

ACTIVE INGREDIENTS:

Sulfur	39.4%
Potassium Nitrate	38.8%
Charcoal Carbon	9.3%

INERT INGREDIENTS	12.5%
Total	100.0%



Roxide International, Inc.
New Rochelle, New York 10802 U.S.A.
Registration No. 9086-4