



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

February 21, 2025

Arianna Shorey
arianna@pyxisrc.com
R & M EXTERMINATORS INC

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment - Adding me-too uses and other minor label changes; combining with label notification under AC 606467.
Product Name: ZINC PHOSPHIDE ON OATS
Admin Number: 4271-16
EPA Receipt Date: 04/18/2022
Action Case Number: 00605386

Dear Arianna Shorey:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have questions, please contact Jasmin Jackson via email at jackson.jasmin@epa.gov.

Sincerely,

Kable Bo Davis

Kable Bo Davis, Senior Advisor
IVB3, RD
Office of Pesticide Programs

{FRONT LABEL PANEL}**RESTRICTED USE PESTICIDE****DUE TO HAZARD TO NONTARGET ORGANISMS**

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 Applicators certification.

ZINC PHOSPHIDE ON OATS

For control of Mice, Rats, Voles, Ground Squirrels, Pocket Gophers & Prairie Dogs.

For use in structures, non-crop areas (including, grasses and turf, rights of way, nurseries and trees), and food and feed crops.

ACTIVE INGREDIENT:**% BY WT.**

Zinc Phosphide..... 2.00%

OTHER INGREDIENTS:..... 98.00%**TOTAL:** 100.00%**KEEP OUT OF REACH OF CHILDREN****CAUTION****FIRST AID**

IF SWALLOWED	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice or transport the patient to the nearest hospital.• Do not drink water.• Do not administer anything by mouth.• 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 poison control center or doctor immediately for treatment advice.
IF INHALED	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
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 immediately for treatment advice.

TREATMENT FOR PET POISONING

If animal eats bait, call veterinarian at once.

NOTE TO PHYSICIAN OR VETERINARIAN

Contains the phosphine-producing active, Zinc Phosphide. Probable mucosal damage may contraindicate the use of gastric lavage. For animals ingesting bait and/or showing poisoning signs, induce vomiting by using hydrogen peroxide. Sodium bicarbonate can be given orally to neutralize the stomach acidity. The stomach and intestinal tract can be evacuated, oxygen administered and cardiac and circulatory stimulants given. [See Left Panel for additional precautionary statements.]

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies, call the poison control center at 1-800-222-1222. For general information on this product, contact the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 AM to 12 PM PST, or at <http://npic.orst.edu>.

If you experience signs and symptoms such as nausea, abdominal pain, tightness in chest, or weakness, see a physician immediately.

[See] [left] [right] [side] [back] [panel[s]] [inside] [booklet] [for] [First Aid][,] [additional] [Precautionary Statements][,] [and] [Directions for Use] [including Storage and Disposal] [instructions][,.]



MANUFACTURED BY:
R & M EXTERMINATORS, INC.
24212 SOUTH "D" STREET
CHENEY, WA 99004

EPA REG. NO. 4271-16
EPA EST. NO. 4271-WA-1

NET WEIGHT [10 LBS.] [25 LBS.] [50 LBS.]

ACCEPTED**2/21/2025**

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 4271-16

{LEFT SIDE PANEL OR INSIDE BOOKLET}

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if swallowed, absorbed through the skin, in eyes or inhaled. Avoid contact with skin, eyes or clothing. Do not breathe dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. Keep away from humans, domestic animals and pets. Avoid contamination of feed or foodstuffs. Prevent contact of bait with acids. Any person who retrieves carcasses or unused bait following application of this product must wear waterproof gloves.

Personal Protective Equipment (PPE)

All handlers, including loaders and applicators, must wear:

- Long sleeve shirt and long pants,
- Shoes plus socks, and
- Waterproof gloves

In addition, persons loading the baits into aircraft or mechanical ground equipment and persons loading/applying with a hand-pushed or hand-held equipment, such as push-type spreader or cyclone spreader, must wear:

- dust/mist filtering respirator (NIOSH approval number prefix TC-21C) and protective eyewear.

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.

Engineering Control Statements

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides 40CFR 170.240(d)(4-6), the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to wildlife and fish. Birds and other wildlife feeding in treated area may be killed. Dogs and other predatory and scavenging mammals might be poisoned if they feed upon animals that have eaten this bait. Use with care when applying in areas frequented by wildlife or adjacent to any body of water. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. This product shall not be applied over bodies of water, in areas inhabited by livestock or where a hazard exists to rare or endangered species. Do not contaminate water when disposing of equipment wash water or rinsate.

ENDANGERED SPECIES CONSIDERATIONS

Notice: The use of this product may pose a hazard to Federally designated endangered/threatened species. It is a Federal offense to use any pesticide in a manner that results in the death of a member of an endangered species. Consult the nearest U.S. Fish and Wildlife Service regional office or the appropriate State Agency for current information on habitats occupied by endangered species.

Whooping Crane (*Grus americana*). Do not use this product in habitats occupied or occasionally visited by whooping cranes during the period from 30 days before the expected arrival of cranes to 30 days after the time of their usual departure.

Black-footed Ferret (*Mustela nigripes*). Do not use this product within 7 kilometers (4.34 miles) of any prairie dog town to limit risks to the black-footed ferret from exposure to Zinc Phosphide or destruction of its prey base, unless the colony is an isolated black-tailed prairie dog town less than 80 acres in size or an isolated white-tailed prairie dog town less than 200 acres in size, or unless the town had been appropriately surveyed, using methods acceptable to the U.S. Fish and Wildlife Service, and found by the FWS not to be suitable site for ferret reintroductions.

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Gray Wolf (*Canis lupus*) and Grizzly Bear (*Ursus arctos horribilis*). Unless the local U.S. Fish and Wildlife Service office has determined that there are no gray wolves or grizzly bears in the general vicinity of bait applications in Montana and Wyoming, do not apply this product outdoors within occupied habitat of these species.

Attwater's Greater Prairie Chicken (*Tympanuchus cupido attwateri*). Do not use this product in the present occupied range of the Attwater's Greater Prairie Chicken in the following counties: Aransas, Austin, Brazoria, Colorado, DeWitt, Ft. Bend, Galveston, Goliad, Hays, Refugio, Victoria, Waller, and Wharton (Texas).

Yellow-Shouldered Blackbird (*Agelaius xanthomus*) and Puerto Rican Plain Pigeon (*Columba inornata wetmorei*). This product must not be used in the following areas in Puerto Rico except in tamper-proof bait boxes:

- (1) within 6.3 miles (10 kilometers) of Central Aquirre, Lago Cidra, Ceiba, San German
- (2) within 9.4 miles (15 kilometers) of La Esperanza, south of Highway 2 from city of Mayaguez to the city of Ponce and all Mona Island

Utah Prairie Dog (*Cynomys parvidens*). Do not use this product in critical habitat of the Utah Prairie Dog (Utah).

Salt Marsh Harvest Mouse (*Reithrodontomys raviventris*). Do not use this product in critical habitat within 0.5 miles of salt marsh vegetation and/or brackish water wetlands which are located: 1) near or adjacent to San Pablo Bay and San Francisco Bay, or 2) in the Sacramento River below or adjacent to confluence of the Sacramento River and the San Joaquin River (California)

Morro Bay Kangaroo Rat (*Dipodomys heermanni morroensis*). Do not use this product in critical habitat within 2.5 miles of Baywood Park which is located on Morro Bay (California)

Giant Kangaroo Rat (*Dipodomys ingrens*). Follow the Interim Measures for protecting endangered species in the California Endangered Species Bulletin for the following California counties: Fresno, Kern, Kings, Merced, Monterey, San Benito, San Luis Obispo, Santa Barbara and Tulare (California)

Tipton Kangaroo Rat (*Dipodomys nitratoide nitratoide*). Follow the Interim Measures for protecting endangered species in the California Endangered Species Bulletin for the following California counties: Kern, Kings and Tulare (California)

Fresno Kangaroo Rat (*Dipodomys nitratoide exilis*). Follow the Interim Measures for protecting endangered species in the California Endangered Species Bulletin for the following California counties: Kern, Kings, Madera and Merced (California)

Stephan's Kangaroo Rat (*Dipodomys stephens*). Follow the Interim Measures for protecting endangered species in the California Endangered Species Bulletin for the following California counties: San Bernardino, San Diego and Riverside (California)

San Bernardino Kangaroo Rat (*Dipodomys merriami parvus*). Follow the Interim Measures for protecting endangered species in the California Endangered Species Bulletin for the following California counties: San Bernardino and Riverside (California)

Northern Idaho Ground Squirrel (*Spermophilus brunneus brunneus*). Do not use this product within 0.5 miles in critical habitat of the Northern Idaho Ground Squirrel in Adams and Valley counties, Idaho.

DIRECTIONS FOR USE

RESTRICTED USE PESTICIDE

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

USE RESTRICTIONS:

- Do not apply this product in a way that will contact workers or other persons, either directly or through drift.
- Keep away from humans, domestic animals, and pets.
- Only protected handlers may be in the area during application.
- Keep all other persons out of the treated area during application.
- Do not apply on roads, near residential areas, or over water.
- Do not broadcast over crops unless use directions specifically permit aerial application.
- Apply bait on warm, clear days with dry conditions.
- Do not apply to bare ground and areas in which no vegetation occurs.
- Do not apply this product by any method not specified on this label.
- Do not apply bait by air when wind velocity exceeds 10 mph.
- Do not apply this product in areas inhabited by livestock.
- Do not contaminate feed or foodstuffs.
- Do not reuse utensils, spoons or measuring devices for mixing, holding or transferring food or feed.
- Check for and dispose of excess or spilled bait and carcasses daily until the baits are expended or are removed.
- When possible, do not apply when precipitation is expected.

{STRUCTURAL USES}

IN AND AROUND BUILDINGS AND STRUCTURES & INSIDE BURROWS

IMPORTANT: Do not expose children, pets or other non-target animals to rodenticides. To help to prevent accidents:

1. Store product not in use in a location out of reach of children and pets.
2. Apply bait in locations out of reach of children, pets, domestic animals and non-target wildlife, or in tamper-resistant bait stations. These stations must be resistant to destruction by dogs and by children under six years of age, and must be used in a manner that prevents such children from reaching into bait compartments and obtaining bait. If bait can be shaken from bait stations when they are lifted, units must be secured or otherwise immobilized. Even stronger bait stations are needed in areas open to hoofed livestock, raccoons, bears, or other potentially destructive animals, or in areas prone to vandalism.
3. Dispose of product container, and unused, spoiled, and unconsumed bait as specified on this label.

Bait stations are mandatory for outdoor, above-ground use. Tamper-resistant bait stations must be used if children, pets, non-target mammals, or birds may access the bait.

Norway Rats, Roof Rats, House Mice

USE RESTRICTIONS:

In and Around Buildings and Structures

This product may only be used to control Norway rats (*Rattus norvegicus*), roof rats (*R. rattus*) and house mice (*Mus musculus*) in and within 100 feet of man-made structures constructed in a manner so as to be vulnerable to commensal rodent invasions and/or to harboring or attracting rodent infestations. Examples of such structures include homes and other permanent or temporary residences, food processing facilities, industrial and commercial buildings, trash receptacles, agricultural and public buildings, transport vehicles (ships, trains, aircraft), docks and port or terminal buildings and related structures around and associated with these sites. Fence and perimeter baiting, beyond 100 feet from a structure as defined above, is prohibited. This product must not be applied directly to food or feed crops. Do not broadcast bait.

Inside Burrows

This product may be applied to active rodent burrows to control Norway rats (*Rattus norvegicus*) and roof rats (*R. rattus*) within or beyond 100 feet of buildings and man-made structures, provided that infestations or these rodents have been confirmed. Because Norway/roof rat infestations may occur in areas farther than 100 feet from buildings and man-made structures when the rodents have ample supplies of food and cover, efforts should be made to remove food trash, garbage, clutter and debris. Bait must be placed not less than 6 inches into active Norway/roof rat burrows. Do not broadcast bait.

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SELECTION OF TREATMENT AREAS: After removing as much alternate food as possible, determine dry, acid-free areas where rats will most likely find and consume the bait. Generally, these areas are along walls, by gnawed openings, in or beside burrows, in corners and concealed places, between floors and walls, or in locations where rats and mice or their signs have been observed.

APPLICATION DIRECTIONS

RATS: Apply 1 to 2 teaspoon amounts of bait per placement. For outdoor use, place bait in active rat burrows or tamper-resistant bait stations. Maintain an uninterrupted supply of fresh bait until all signs of feeding have stopped. Do not treat the same area at less than 30 day intervals.

Rate: 1-2 teaspoons (4-8 grams) per placement.

HOUSE MICE: Apply 1 teaspoon amount of bait at each placement location. Space placements at 8- to 12-foot intervals. Larger placements (up to 2 level teaspoons) may be needed at points of very high house mouse activity. Maintain an uninterrupted supply of fresh bait for at least 15 days or until there are no longer signs of new feeding by house mice.

Rate: 1-2 teaspoon (4-8 grams) per placement.

FOLLOW-UP: Using waterproof gloves, collect and properly dispose of all dead animals and excess bait properly in accordance with "Pesticide Disposal" instructions. Use detergent and hot water to wash spoons for application into burrows. Do not use spoon for mixing, holding or transferring food or feed. To discourage reinfestation, limit sources of rodent food, water, and harborage as much as possible.

Voles and Mice

USE RESTRICTIONS: Use against meadow voles (*Microtus pennsylvanicus*), prairie voles (*M. ochrogaster*), long-tailed voles (*M. longicaudus*), California voles (*M. californicus*), Oregon voles (*M. oregoni*), mountain voles (*M. montanus*), pine voles (*M. pinetorum*), white-footed mice (*Peromyscus leucopus*), and deer mice (*P. maniculatus*) around agricultural, commercial, and industrial buildings. Do not apply farther than 100 feet from buildings. Do not apply bait inside buildings. Bait must be applied in tamper-resistant bait stations. These stations must be resistant to destruction by dogs and by children under six years of age, and must be used in a manner that prevents such children from reaching into bait compartments and obtaining bait. If bait can be shaken from bait stations when they are lifted, units must be secured or otherwise immobilized. Even stronger bait stations are needed in areas open to hoofed livestock, raccoons, bears, other potentially destructive animals, or in areas prone to vandalism.

SELECTION OF TREATMENT AREAS: Determine where voles will most likely find and consume the bait. Look for runways near buildings and signs of vole activity oriented toward the buildings.

BAIT STATIONS: Apply 1 teaspoon (4 grams) of bait in each bait station. Space stations at intervals of 8-11 feet apart in infested areas. Maintain bait in stations for 3 days. Extend the baiting period only if there is continued evidence of feeding from the stations by voles.

Rate: 1 teaspoon (4 grams) per bait station.

FOLLOW-UP: Using waterproof gloves, collect and properly dispose of all dead animals and excess bait properly in accordance with "Pesticide Disposal" instructions. Use detergent and hot water to wash spoons for application into bait stations. Do not use spoon for mixing, holding or transferring food and feed. To discourage reinfestation, limit sources of rodent food, water, and harborage as much as possible.

{NON-CROP USES}

AIRPORT RUNWAYS & GRASSES, HIGHWAY MEDIANS & OTHER NON-CROP AREAS

Prairie Dogs

RESTRICTIONS: For control of Black-tailed prairie dogs (*Cynomys ludovicianus*) White-tailed prairie dogs (*C. leucurus*), and Gunnison's prairie dogs (*C. gunnisoni*) around grassy areas of airfields, highway medians and other non-crop areas. Do not apply by air.

PREBAITING (Mandatory): To condition the prairie dogs to accept the grain used in this product readily, prebait each active mound with 1 teaspoon (4 grams) of untreated oats prior to application of product. Do not apply this product unless the prairie dogs have consumed the prebait.

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HAND OR MECHANICAL BAITING: Apply bait at the rate of 1 teaspoon (4 grams) per mound or active feeding area. Apply bait on a flat area next to the mound or a nearby area within 3 feet of the mound where the target prairie dogs have been feeding. Scatter bait so that one teaspoon of bait covers approximately one square foot.

Rate: 1 teaspoon per placement, 3 lbs/A (0.06 lb ai/A).

Voles and Mice

USE RESTRICTIONS: Use this product to reduce potential air-strikes with birds feeding on meadow voles (*Microtus pennsylvanicus*), prairie voles (*M. ochrogaster*), pine voles (*M. pinetorum*), long-tailed voles (*M. longicaudus*), California voles (*M. californicus*), mountain voles (*M. montanus*), white-footed mice (*Peromyscus leucopus*), and deer mice (*P. maniculatus*) around grassy areas at airfields, highway medians and other non-crop areas. All applications must occur within one to three days after cutting the grass. Do not apply to grass longer than 7.5 inches tall. Do not apply to bare ground or to any paved areas. Do not use grass as feed or forage for livestock. Do not apply by air.

HAND BAITING: Place 1 teaspoon (4 grams) of bait in surface runways or at the mouths of holes leading to underground burrow systems. Scatter bait so that one teaspoon of bait covers approximately one square foot. Do not place bait in heaps or piles.

Rate: 1 teaspoon per placement, 5 lbs/A (0.1 lb ai/A).

TRAILBUILDER BAITING: Follow manufacturer's instruction for type of equipment used. Set equipment to drop 1 teaspoon (4 grams) of bait at 4- to 5-foot intervals in the artificial trail made by the machine. Apply the bait at a rate up to 3 lbs/A (0.06 lb ai/A).

Rate: 1 teaspoon per placement, 3 lbs/A (0.06 lb ai/A).

BROADCAST BAITING: This product may be broadcast by ground driven devices only. Apply this product at a rate of up to 10 pounds (0.2 lb ai/A) per acre. A second application may be made after a minimum interval of 30 days. The second application must follow the mowing and grass length use restriction above. A maximum of 20 lbs (0.4 lb ai/A) may be applied per year.

Rate: 10 lbs/A (0.2 lb ai/A).

LAWNS, ORNAMENTALS, GOLF COURSES, PARKS, NURSERIES, AND RIGHTS OF WAY

Ground Squirrels and Voles

USE RESTRICTIONS: For control of meadow voles (*Microtus pennsylvanicus*), prairie voles (*M. ochrogaster*), pine voles (*M. pinetorum*), California voles (*M. californicus*), long-tailed voles (*M. longicaudus*), Oregon voles (*M. oregoni*), mountain voles (*M. montanus*) and Townsend's voles (*M. townsendii*), Columbian ground squirrels (*Spermophilus columbianus*), Richardson's ground squirrels (*S. richardsonii*), thirteen-lined ground squirrels (*S. tridecemlineatus*), California ground squirrels (*S. beecheyi*), and deer mice (*Peromyscus maniculatus*) in lawns, ornamentals, golf courses, parks, nurseries, and rights of way. Bait must not be applied on roads, over water or where plants are grown for food or feed. Do not apply by air.

PREBAITING (Advisory): For ground squirrels only, prebait by placing 1 teaspoon (4 grams) of untreated whole oat or grain around each active burrow opening or in each active runway 2 or 3 days prior to using toxic bait to enhance acceptance by ground squirrels.

HAND BAITING: For ground squirrels, place 1 teaspoon (4 grams) of bait around each active burrow opening or in each active runway. For voles, place teaspoonful quantities (4 grams) of bait, either on surface trails or at the mouth of holes leading to underground burrow systems. Cover bait artificially (e.g., mats, boards) or by pulling overhanging grass over bait. Allow bait to fall through to the ground surface but do not apply bait to bare ground. Do not place bait in heaps or piles.

Rate: 1 teaspoon (4 grams) per placement, 2 - 3 lbs/A (0.04 - 0.06 lb ai/A).

BAIT STATIONS: Place bait in tamper-resistance bait stations if children, pets, or nontarget mammals or birds may access the bait.

{RIGHT SIDE PANEL OR INSIDE BOOKLET}

NONCROP RIGHTS-OF-WAY NEXT TO CANAL AND DITCH BANKS AND OTHER NON-CROP BORDERS

Ground Squirrels

USE RESTRICTIONS: For control of California ground squirrels (*Spermophilus beecheyi*), Columbian ground squirrels (*S. columbianus*), and Richardson's ground squirrels (*S. richardsonii*) in noncrop rights-of-way next to canal and ditch banks and other non-crop borders during late spring and early summer. Do not apply on roads, near residential areas, over water, or where plants are grown for food or feed. Consult local, state and federal game authorities before use to ensure this product is used in accordance with regulations.

PREBAITING (Advisory): Prebaiting with 6 lbs. of untreated whole oat or grain per acre (0.12 lb ai/A) one or two days prior to using toxic bait is likely to enhance bait acceptance by ground squirrels.

HAND BAITING: Apply 1 teaspoon (4 grams) of bait on the ground near active burrows.

Rate: 1 teaspoon (4 grams) per placement.

BROADCAST BAITING: Treat only once during treatment period. Broadcast bait using hand or ground-driven dispensing devices not to exceed 6 lbs. per acre (0.12 lb ai/A). Dispose of excess bait from application equipment according to "Pesticide Disposal" instructions.

Rate: 6 lbs/A (0.12 lb ai/A).

NURSERY STOCK, CONIFERS & CHRISTMAS TREES, POPLAR/COTTONWOOD, ORNAMENTALS AND NON-BEARING FRUIT & NUT TREES

Voles

USE RESTRICTIONS: For control of meadow voles (*Microtus pennsylvanicus*), prairie voles (*M. ochrogaster*), pine voles (*M. pinetorum*), California voles (*M. californicus*), Oregon voles (*M. oregoni*), mountain voles (*M. montanus*), Townsend's voles (*M. townsendii*), and deer mice (*Peromyscus maniculatus*) in nursery stock, conifer/Christmas tree, poplar/cottonwood, ornamental, and non-bearing fruit, citrus and nut tree plantations. Only apply post-harvest or during dormancy.

PREBAITING: None

BROADCASTING BAITING: Under infested nursery stock, conifer/Christmas trees, poplar/cottonwood trees, ornamental trees, or non-bearing fruit trees, broadcast bait evenly by cyclone seeder or by hand. Concentrate in areas with the heaviest vegetative cover. Do not broadcast on bare ground.

Rate: 6-10 lbs/A (0.12 - 0.2 lb ai/A).

HAND BAITING: Near the base of infested nursery stock, conifer/Christmas trees, poplar/cottonwood trees, ornamental trees, or non-bearing fruit trees, place teaspoonful quantities (4 grams) of bait at 2-4 locations, either on surface trails or at the mouth of holes leading to underground burrow systems. When practical, cover bait artificially (e.g., mats, boards) or by pulling overhanging grass over bait. Do not allow bait to be exposed on bare ground. Do not disturb the runway system.

Rate: 1 teaspoon (4 grams) per placement, 2 - 3 lbs/A (0.04 - 0.06 lb ai/A).

AERIAL BROADCAST: Broadcast bait at the rate of 5.5-9 lbs per acre.

Rate: 5.5-9 lbs/A (0.11-0.18 lb ai/A).

TREE PLANTATIONS AND WIND BREAKS

Voles and Mice

USE RESTRICTIONS: For control of meadow voles (*Microtus pennsylvanicus*), prairie voles (*M. ochrogaster*), long-tailed voles (*M. longicaudus*), pine voles (*M. pinetorum*), California voles (*M. californicus*), Oregon (*M. oregoni*), mountain voles (*M. montanus*), and Townsend's voles (*M. townsendii*), white-footed mice (*Peromyscus leucopus*), and deer mice (*P. maniculatus*) in tree plantations and windbreaks. Apply only when no rain or snow is expected for three consecutive days. Do not graze animals in the treated areas.

{RIGHT SIDE PANEL OR INSIDE BOOKLET}

HAND BAITING: Place bait near bases of each infested tree at 2-4 locations, either on surface trails or at mouth of holes leading to underground burrow systems. When practical cover bait artificially (e.g., mats, boards) or by pulling overhanging grass over bait. Do not allow bait to be exposed on bare ground. Do not disturb the runway system.

Rate: 1 teaspoon (4 grams) per placement, 2 - 3 lbs/A (0.04 - 0.06 lb ai/A).

TRAILBUILDER: Set equipment to drop 1 teaspoon of bait (4 grams) at 4-5 foot intervals in the artificial trail, made by the machine, just inside the drop line on both side of the trees.

Rate: 1 teaspoon (4 grams) per placement, 2 - 3 lbs/A (0.04 - 0.06 lb ai/A).

GROUND BROADCAST: Broadcast evenly by cyclone seeder or by hand. Concentrate in areas with heaviest vegetative cover. Do not broadcast on bare ground.

Rate: 6 - 10 lbs/A (0.12 - 0.2 lb ai/A).

AERIAL BROADCAST: Do not broadcast on bare ground.

Rate: 6 - 10 lbs/A (0.12 - 0.2 lb ai/A) OR 2 applications of 5 lbs/A (0.1 lb ai/A).

{NON-CROP & CROP USES}

BERRY PRODUCTION AREAS

Ground Squirrels

USE RESTRICTIONS: For control of California ground squirrels (*Spermophilus beecheyi*), Columbian ground squirrels (*S. columbianus*), and Richardson's ground squirrels (*S. richardii*). Apply only underground or in tamper resistant bait stations. Only apply bait after harvest and while crop is in a nonbearing phase.

PREBAITING (Mandatory): Prebait with untreated whole oat or grain to enhance acceptance by California, Columbian and Richardson's ground squirrels. Apply the Prebait at 6 lbs per acre 1-2 days prior to using this product.

UNDERGROUND OR BAIT STATIONS ONLY: Apply only underground or in bait stations. Apply bait at a rate of up to 6 lbs per acre (0.12 lb ai/A per acre). A second application may be made within 25 days if required. The maximum application rate per year is 12 lbs per acre (0.24 lb ai/A). Apply post-harvest or during dormancy.

Rate: 6 lbs/A (0.12 lb ai/A).

POCKET GOPHERS & KANGAROO RATS

Pocket Gophers

USE RESTRICTIONS: For control of plains pocket gophers (*Geomys bursarius*), southeastern pocket gophers (*G. pinetis*), yellow-faced pocket gophers (*Pappogeomys castanops*), and pocket gophers (*Thomomys* spp.) in adjacent non-crop areas, alfalfa crops, Christmas tree plantations, cropland, conifer hardwood seedling plantations, forage crops, forest areas, golf courses, grain fields, grape vineyards, hay and alfalfa crops, industrial and commercial landscaped areas, lawns nurseries, orchards (including pome (apple, pear), stone (peach, cherry, apricot, plum, prune, nectarine), citrus, avocado, tree nut (almonds, walnuts, pistachios, pecans, filberts, macadamia)), ornamentals, pastures, parks, rangelands, residential lawns, timothy crops, tree plantations, and vegetable crops, and vineyards. Bait must be applied directly into pocket gophers' or kangaroo rats' underground burrow systems or into underground tunnels created by burrow-builder machines. Do not apply bait above ground.

Kangaroo Rats

USE RESTRICTIONS: For control of Banner-tailed kangaroo rat (*Dipodomys spectabilis*), Ord's kangaroo rat (*D. ordii*), and Merriam's kangaroo rat (*D. merriami*) in adjacent non-crop areas, alfalfa crops, Christmas tree plantations, cropland, conifer hardwood seedling plantations, forage crops, forest areas, golf courses, grain fields, grape vineyards, hay and alfalfa crops, industrial and commercial landscaped areas, lawns nurseries, ornamentals, pastures, parks, rangelands, residential lawns, timothy crops, tree plantations, and vegetable crops, and vineyards. Bait must be applied directly into pocket gophers' or kangaroo rats' underground burrow systems or into underground tunnels created by burrow-builder machines. Do not apply bait above ground.

HAND BAITING: Follow the directions indicated below to locate and treat pocket gophers' or kangaroo rats' burrow systems.

{RIGHT SIDE PANEL OR INSIDE BOOKLET}

Locating Underground Runways: Use a specially designed gopher probe, a metal rod, a strong smooth stick, or other suitable implement to probe the ground 10 to 15 inches away from fan-shaped gopher mounds. Begin probing on the flat side of the fan. When the main runway has been entered, the probe will drop about 2 inches due to decreased resistance from soil.

Applying Bait to Runways: Using a long-handled spoon or mechanical probe, drop 1 teaspoon (4 grams) of bait into the main runway at each baited point. Cover the opening with sod, a rock, or soil to exclude light. Take care not to cover bait with soil. Depending upon mound density, make two to five bait placements per burrow system. Recover and bury all spilled bait. Applied in this manner, one pound of bait will treat one to eight acres, depending upon the number of pocket gopher burrow systems present.

Rate: 1 teaspoon (4 grams) per placement, 2 - 3 lbs/A (0.04 - 0.06 lb ai/A).

BURROW BUILDER: When treating extensive area, burrow builder method may be used. Follow manufacturer's instructions for the equipment used to apply gopher bait. Make sure that machine-built burrows intersect pocket gopher burrows at the depth at which gophers have been tunneling. For greater efficiency of treatment, machine-built burrows should intersect as many gopher tunnels as possible at right angles. Apply only when soil condition is proper to insure formation of a good artificial burrow. Calibrate equipment to drop 1 teaspoon (4 grams) of bait at 4-5 foot intervals or at a rate of 2-3 lbs per acre, using a 20' to 30' row spacing interval in the artificial burrow made by the machine. Pick up and disposal of all spilled bait accordingly.

Rate: 1 teaspoon (4 grams) per placement at 4-5 foot intervals, 2 - 3 lbs/A (0.04 – 0.06 lb ai/A).

RANGELAND, PASTURES, AND ADJACENT NON-CROP AREAS

Prairie Dogs

USE RESTRICTIONS: This product may only be used to control black-tailed prairie dogs (*Cynomys ludovicianus*), white-tailed prairie dogs (*C. leucurus*), and Gunnison's prairie dog (*C. gunnisoni*) on rangelands and pasturelands in the states of Arizona, Colorado, Idaho, Kansas, Montana, Nebraska, New Mexico, North Dakota, Oklahoma, South Dakota, Texas, Utah and Wyoming during the period from July of one year to February of the next year. Only one application within this period is permitted in Kansas, Montana, Nebraska, North Dakota, Wyoming and South Dakota. Do not exceed the application rate. Apply only to rangeland with less than 50% ground cover. Do not use baits from this product to control the endangered Utah prairie dog. Do not apply this product at each application site more than once during this period. Do not apply bait by air or ground broadcast equipment. Baits used to control prairie dogs must be applied by hand or by mechanical spot baiting. Mechanical spot baiting uses a device mounted on a tractor or 4-wheel all-terrain vehicle with a switch that releases a known quantity of bait. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Keep all other persons out of the treated area during application.

OBSERVATIONS FOR NONTARGET SPECIES: Before applying toxic bait, determine the potential for exposing nontarget organisms. Applicators must conduct daily observations prior to applying toxic bait. Do not apply this product if nontarget species are observed to be feeding on bait. It is a violation of Federal Law to intentionally feed treated bait to nontarget species, including protected species.

PREBAITING (Mandatory): To condition the prairie dogs to accept the grain used in this product readily, prebait each active mound to be treated with 1 teaspoon (4 grams) of untreated whole oat or grain prior to application of toxic bait. Do not apply this product unless the prairie dogs have consumed the prebait.

HAND OR MECHANICAL BAITING: Apply bait at the rate of 1 teaspoon (4 grams) per mound or active feeding area. Apply bait on a flat area next to the mound or a nearby area within 3 feet of the mound where the target prairie dogs have been feeding. Scatter bait so that one teaspoon of bait covers approximately one square foot. Apply at a rate up to 3 lbs/A (0.06 lb ai/A).

Rate: 1 teaspoon (4 grams) per placement.

FOLLOW-UP: Wearing waterproof gloves collect and properly dispose of all dead, exposed animals and leftover bait that cannot be used according to label directions according to the "Pesticide Disposal" section.

{RIGHT SIDE PANEL OR INSIDE BOOKLET}

Kangaroo Rats

USE RESTRICTIONS: For control of the Ord's kangaroo rat (*Dipodomys ordii*), Banner-tailed kangaroo rat (*D. spectabilis*) and Merriam's kangaroo rat (*D. merriami*) in rangelands, pastures and non-crop areas including adjacent rights of way and ditch banks.

HAND BAITING: Place 1 tablespoon (12 grams) of bait at 2 locations on opposite sides of mounds. Place bait in feeding runs within 3 feet of active burrow entrances.

Rate: 1 tablespoon (12 grams) per placement.

Ground Squirrels

USE RESTRICTIONS: For control of California ground squirrels (*Spermophilus beecheyi*), Columbian ground squirrels (*S. columbianus*), and Richardson's ground squirrels (*S. richardii*) in rangelands, pastures and adjacent noncrop areas. Product must not be applied on roads, near residential areas, over water or where plants are grown for food or feed.

PREBAITING (Mandatory): Prebait with untreated whole oat or grain to enhance acceptance by California, Columbian and Richardson's ground squirrels. Apply the prebait at 6 lbs per acre (0.12 lb ai/A) 1-2 days prior to using this product.

HAND BAITING: Apply 1 teaspoon (4 grams) of bait on the ground near active burrows.

Rate: 1 teaspoon (4 grams) per placement.

BROADCAST BAITING: Treat once during treatment period. Broadcast bait using hand or ground-driven dispensing devices not to exceed 6 lbs per acre (0.12 lb ai/A). Dispose of excess bait from application equipment according to "Pesticide Disposal" instructions.

Rate: 6 lbs/A (0.12 lb ai/A).

{CROP USES}

ALFALFA

Voles and Mice

USE RESTRICTIONS: For control of meadow voles (*Microtus pennsylvanicus*), long-tailed voles (*M. longicaudus*), prairie voles (*M. ochrogaster*), pine voles (*M. pinetorum*), California voles (*M. californicus*), Oregon voles (*M. oregoni*), mountain voles (*M. montanus*), Townsend's voles (*M. townsendii*), white-footed mice (*Peromyscus leucopus*), and deer mice (*P. maniculatus*) in alfalfa. All applications must occur shortly after a cutting of the hay, and/or prior to the next growth's attaining a length of 2 inches. Alfalfa forage from treated areas must not be harvested until it reaches maturity. This use is restricted to Montana, Idaho, Oregon, Utah and Washington.

BROADCAST BAITING: This product may be broadcast by air or ground-driven dispensing devices. Apply at a rate of up to 10 lbs per acre (0.2 lb. ai/A). For voles, make two applications per year separated by a minimum interval of 25 days. A maximum of 20 lbs per acre (0.4 lb ai/A) may be applied per year. Do not apply by air when wind velocity exceeds 10 mph. Do not apply in piles or permit piles to be formed by equipment.

Rate: 10 lbs/A (0.2 lb ai/A).

BAIT STATIONS: Place bait in bait stations that are resistant to tampering by dogs and children under six years of age. Place at least 4 ounces of bait per station. A maximum of 20 lbs (0.4 lb ai/A) per acre may be applied annually.

Rate: 4 oz per placement.

Ground Squirrels

USE RESTRICTIONS: For control of California ground squirrels (*Spermophilus beecheyi*), Columbian (*S. columbianus*), and Richardson's ground (*S. richardii*) in alfalfa.

PREBAITING (Mandatory): Prebait with untreated whole oat or grain to enhance acceptance by California, Columbian and Richardson's ground squirrels. Apply the prebait at 6 lbs per acre 1-2 days prior to using this product.

{RIGHT SIDE PANEL OR INSIDE BOOKLET}

UNDERGROUND BAITING & BAIT STATIONS: Apply only underground or in bait stations. Apply bait at a rate of up to 6 lbs per acre (0.12 lb ai/A per acre). A second application may be made within 25 days if required. The maximum application rate per year is 12 lbs. per acre (0.24 lb ai/A). Apply post-harvest or during dormancy.

Rate: 6 lbs/A (0.12 lb ai/A).

ALFALFA PRODUCED FOR SEED

Ground Squirrels

USE RESTRICTIONS: For control of California ground squirrels (*Spermophilus beecheyi*), Columbian ground squirrels (*S. columbianus*), and Richardson's ground squirrels (*S. richardii*) in alfalfa.

UNDERGROUND BAITING & BAIT STATIONS: Apply only underground or in bait stations. Apply bait at a rate of up to 6 lbs. per acre (0.12 lb ai/A per acre). A second application may be made within 25 days if required. The maximum application rate per year is 12 lbs. per acre (0.24 lb ai/A). Apply post-harvest or during dormancy.

Rate: 6 lbs/A (0.12 lb ai/A).

BARLEY

Voles and Mice

USE RESTRICTIONS: For control of meadow voles (*Microtus pennsylvanicus*), long-tailed voles (*M. longicaudus*), prairie voles (*M. ochrogaster*), pine voles (*M. pinetorum*), California voles (*M. californicus*), Oregon voles (*M. oregoni*), mountain voles (*M. montanus*), Townsend's voles (*M. townsendii*) white-footed mice (*Peromyscus leucopus*), and deer mice (*P. maniculatus*) in growing-season and preplant applications in barley. Do not apply this product to barley within 50 days of harvest. This use is restricted to Montana, Idaho, Oregon and Washington. Do not graze animals in treated areas.

BROADCAST BAITING: This product may be broadcast by air or ground-driven dispensing devices. Apply bait at a rate up to 6 lbs. (0.12 lb active ingredient) per acre. A second bait application may be made after a minimum interval of 25 days. A maximum of 12 lbs (0.24 lb active ingredient) per acre may be applied per year. All applications must be made prior to the boot stage.

Rate: 6 lbs/A (0.12 lb ai/A).

Ground Squirrels

USE RESTRICTIONS: For control of California ground squirrels (*Spermophilus beecheyi*), Columbian ground squirrels (*S. columbianus*), and Richardson's ground squirrels (*S. richardii*) in barley.

PREBAITING (Mandatory): Prebait with untreated whole oat or grain to enhance acceptance by California, Columbian and Richardson's ground squirrels. Apply the Prebait at 6 lbs per acre 1-2 days prior to using this product.

UNDERGROUND BAITING OR BAIT STATIONS ONLY: Apply only underground or in bait stations. Apply bait at a rate of up to 6 lbs. per acre (0.12 lb ai/A per acre). A second application may be made within 25 days if required. The maximum application rate per year is 12 lbs. per acre (0.24 lb ai/A). Apply post-harvest or during dormancy.

Rate: 6 lbs/A (0.12 lb ai/A).

BEANS (DRY)

Voles

USE RESTRICTIONS: For control of prairie voles (*Microtus ochrogaster*), meadow voles (*M. pennsylvanicus*), pine voles (*M. pinetorum*), long-tailed voles (*M. longicaudus*), house mice (*Mus musculus*); deer mice (*Peromyscus maniculatus*), white-footed mice (*P. leucopus*), and Ord's kangaroo rats (*Dipodomys ordii*), in dry beans during the growing season. Do not apply by air. Do not apply this product to dry beans within 30 days of harvest. This use is restricted to Idaho, Oregon and Washington.

BROADCAST BAITING: This product may be broadcast by hand or ground-driven dispensing devices at a rate of 6 lbs. (0.12 lb. active) per acre. No more than one application per growing season is permitted.

Rate: 6 lbs/A (0.12 lb ai/A).

{RIGHT SIDE PANEL OR INSIDE BOOKLET}

BUSHBERRIES AND CANEBERRIES

Voles

USE RESTRICTIONS: For control of meadow voles (*Microtus pennsylvanicus*), prairie voles (*M. ochrogaster*), and pine voles (*M. pinetorum*) in bushberries (highbush and lowbush blueberries, currants, elderberries, gooseberries and huckleberries) and in caneberries (blackberries, red raspberries, black raspberries, loganberries, and cultivars or hybrids of these caneberries). Only apply this product in the dormant season: after final harvest and not later than the beginning of leaf emergence in the spring. Do not apply when ground is snow covered. Do not apply by air. Minimum preharvest interval is 70 days.

BROADCAST BAITING: This product may be broadcast by cyclone seeder, or by hand. When applying by hand, throw 1 tablespoon (12 grams) into heavy cover along bushes, rocky outcrops, and fence lines. Make up to 2 applications at a minimum interval of 21 days, at the rate of 6 to 10 lbs per acre (0.12-0.2 lb ai/A) per application. Maximum application per growing season is 20 lbs per acre (0.4 lb ai/A).

Rate: 1 tablespoon (12 grams) per placement, 6-10 lbs/A (0.12-0.2 lb ai/A).

CUCURBITS, REDUCED TILLAGE AND NO-TILL CORN

Voles, Mice, Kangaroo Rats, and Cotton Rats

USE RESTRICTIONS: For control of prairie voles (*Microtus ochrogaster*), meadow voles (*M. pennsylvanicus*), house mice (*Mus musculus*), deer mice (*Peromyscus maniculatus*) white-footed mice (*P. leucopus*), Ord's kangaroo rats (*Dipodomys ordii*), banner-tailed kangaroo rats (*D. spectabilis*), Merriam's kangaroo rats (*D. merriami*), and cotton rats (*Sigmodon hispidus*) in reduced tillage and no-till corn and in cucurbits, including and limited to chayote, Chinese waxgourd (Chinese preserving melon), citron melon, cucumber, gherkin, edible gourds (hyotan, cucuzza, Chinese, okra, hechima), *Momordica* spp. (balsam apple, balsam pear, bitter melon, Chinese cucumber), muskmelons (true cantaloupe cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, snake melon), pumpkin, squash summer (crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini) and winter (butternut squash, calabaza, hubbard squash, acorn squash, spaghetti squash), and watermelon. Only in-furrow treatments are permitted for these crops. Do not broadcast bait. Do not apply this product within the occupied habitats of the endangered species or subspecies of kangaroo rats.

IN-FURROW APPLICATION ONLY: Equipment designed for in-furrow treatments must be used to apply this product in cucurbits, reduced tillage and no-till corn. Make one application pre-planting, or at-planting, at a rate of 4 to 6 lbs of bait per acre (0.08-0.12 lb/A). Collect and remove excessive quantities of bait deposited on surface soil or crop residues during spills or equipment malfunctions.

Rate: 4-6 lbs/A (0.08-0.12 lb ai/A).

Calibration / Row

Row spaces (inches)	4 lbs/A Rate oz per 1000 ft	5 lbs/A Rate oz per 1000 ft	6 lbs/A Rate oz per 1000 ft
20	2.5	3.1	3.7
30	3.7	4.6	5.5
36	4.4	5.5	6.6
38	4.7	5.8	6.9

GRAPE VINEYARDS

Mice and Voles

USE RESTRICTIONS: For control of deer mice (*Peromyscus maniculatus*), white-footed mice (*P. leucopus*), oldfield mice (*P. polionotus*, except for threatened or endangered subspecies), meadow voles (*Microtus pennsylvanicus*), prairie voles (*M. ochrogaster*), pine voles (*M. pinetorum*), and meadow jumping mice (*Zapus hudsonius*) in grape vineyards. Do not use this product in areas of Alabama and Florida that are occupied by threatened or endangered subspecies of the oldfield mouse. Only apply post-harvest or during dormancy. Do not graze animals in treated areas. Do not apply by air.

{RIGHT SIDE PANEL OR INSIDE BOOKLET}

BROADCAST BAITING: Broadcast bait evenly on the ground between the rows by cyclone seeder or by hand. Wear rubber gloves during hand-broadcast operations.

Rate: 6-10 lbs/A (0.12-0.2 lb ai/A).

Ground Squirrels

USE RESTRICTIONS: For control of California ground squirrels (*Spermophilus beecheyi*), Columbian ground squirrels (*S. columbianus*), and Richardson's ground squirrels (*S. richardii*) in grape vineyards.

PREBAITING (Mandatory): Prebait with untreated whole oat or grain to enhance acceptance by California, Columbian and Richardson's ground squirrels. Apply the prebait at 6 lbs per acre 1-2 days prior to using this product.

BROADCAST BAITING: Broadcast bait evenly on the ground between the rows by cyclone seeder or by hand. Wear rubber gloves during hand-broadcast operations. Do not apply by air.

Rate: 6-10 lbs/A (0.12-0.2 lb ai/A).

MACADAMIA NUT ORCHARDS & ADJACENT NON-CROP AREAS

Roof Rats

USE RESTRICTIONS: For control of roof rats (*Rattus rattus*) in macadamia nut orchards and adjacent non-crop areas, including rights-of-way and ditch banks. Do not graze animals in treated areas.

BAIT STATIONS: Bait must be placed in bait stations 1) on the ground at tree bases or 2) or in trees. Place 1-2 teaspoons (4-8 grams) of bait per bait station. Uneaten bait must be removed from trees prior to shaker harvest or from ground prior to mechanized harvest. Orchards may be treated up to 30 days prior to a harvesting round.

Rate: 1-2 teaspoons (4-8 grams) per bait station.

BURROW TREATMENT: Place 1-2 teaspoons (4-8 grams) of bait in each burrow. No preharvest interval is required, provided nuts are not retrieved from burrows.

Rate: 1-2 teaspoons (4-8 grams) per burrow.

BROADCAST BAITING: Broadcast at the rate of 5 lbs of bait per acre (0.1 lb ai/A) in orchard using a ground device or by hand. Aircraft may be used to treat adjacent non-crop areas if the Hawaii Department of Health recommends and supervises such applications. Do not apply more than 4 applications per year. Do not apply more than 20 lbs of bait per acre (0.4 lb ai/A) per year.

Rate: 5 lbs/A (0.1 lb ai/A).

ORCHARDS & GROVES

Voles and Mice

USE RESTRICTIONS: For control of meadow voles (*Microtus pennsylvanicus*), prairie voles (*M. ochrogaster*), long-tailed voles (*M. longicaudus*), pine voles (*M. pinetorum*), California voles (*M. californicus*), Oregon (*M. oregoni*), mountain voles (*M. montanus*), and Townsend's voles (*M. townsendii*), white-footed mice (*Peromyscus leucopus*), and deer mice (*P. maniculatus*) in pome fruit (apple, pear) and stone fruit (peach, cherry, apricot, plum, prune, nectarine), citrus fruit, avocado, and tree nut orchards (almonds, walnuts, pistachios, pecans, filberts). Apply only after fall harvest (including drops), before new spring growth and when no rain or snow is expected for three consecutive days. Do not graze animals in the treated areas.

HAND BAITING: Place bait near bases of each infested tree at 2-4 locations, either on surface trails or at mouth of holes leading to underground burrow systems. When practical, cover bait artificially (e.g., mats, boards) or by pulling overhanging grass over bait. Do not allow bait to be exposed on bare ground. Do not disturb the runway system.

Rate: 1 teaspoon (4 grams) per placement, 2 - 3 lbs/A (0.04 - 0.06 lb ai/A).

TRAILBUILDER: Set equipment to drop 1 teaspoon of bait (4 grams) at 4-5 foot intervals in the artificial trail, made by the machine, just inside the drip line on both side of the trees.

Rate: 1 teaspoon (4 grams) per placement, 2 - 3 lbs/A (0.04 - 0.06 lb ai/A).

GROUND BROADCAST: Broadcast evenly by cyclone seeder or by hand. Concentrate in areas with heaviest vegetative cover. Do not broadcast on bare ground.

Rate: 6 - 10 lbs/A (0.12 - 0.2 lb ai/A).

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AERIAL BROADCAST: Do not broadcast on bare ground.

Rate: 6 - 10 lbs/A (0.12 - 0.2 lb ai/A) OR 2 applications of 5 lbs/A (0.1 lb ai/A).

Ground Squirrels

USE RESTRICTIONS: For control of California ground squirrels (*Spermophilus beecheyi*), Columbian ground squirrels (*S. columbianus*), and Richardson's ground squirrels (*S. richardsonii*) in pome fruit (apple, pear) and stone fruit (peach, cherry, apricot, plum, prune, nectarine), citrus fruit, avocado, and tree nut orchards (almonds, walnuts, pistachios, pecans, filberts). Apply only after harvest (including drops) before new spring growth and when no rain or snow is expected for three consecutive days. Do not broadcast over non-orchard/non-grove crops. Do not graze animals on treated areas.

PREBAITING (Mandatory): To increase acceptance of treated bait by California ground squirrels, prebait with 1 teaspoon untreated whole oat or grain around each active burrow 2-3 days prior to using toxic bait.

HANDBAITING: Apply 1 teaspoon (4 grams) of bait on the ground near active burrows.

Rate: 1 teaspoon (4 grams) per placement.

BROADCAST BAITING: Treat only once during treatment period. Broadcast bait using hand or ground-driven dispensing devices not to exceed 6 lbs. per acre (0.12 lb ai/A). Dispose of excess bait from application equipment according to "Pesticide Disposal" instructions.

Rate: 6 lbs/A (0.12 lb ai/A).

OATS

Ground Squirrels

USE RESTRICTIONS: For control of California ground squirrels (*Spermophilus beecheyi*), Columbian ground squirrels (*S. columbianus*), and Richardson's ground squirrels (*S. richardii*) in oats.

PREBAITING (Mandatory): Prebait with untreated whole oat or grain to enhance acceptance by California, Columbian and Richardson's ground squirrels. Apply the prebait at 6 lbs per acre 1-2 days prior to using this product.

BROADCAST BAITING: Treat once during treatment period. Broadcast bait using hand or ground-driven dispensing devices not to exceed 6 lbs per acre (0.12 lb ai/A). Dispose of excess bait from application equipment by burial.

Rate: 6 lbs/A (0.12 lb ai/A).

POTATOES

Voles and Mice

USE RESTRICTIONS: For control of meadow voles (*Microtus pennsylvanicus*), long-tailed voles (*M. longicaudus*), prairie voles (*M. ochrogaster*), pine voles (*M. pinetorum*), California voles (*M. californicus*), Oregon voles (*M. oregoni*), mountain voles (*M. montanus*), Townsend's voles (*M. townsendii*), white-footed mice (*Peromyscus leucopus*), and deer mice (*P. maniculatus*) in growing-season and pre-plant applications in potatoes. Do not apply this product to potatoes within 30 days of harvest. This use is restricted to Idaho, Oregon and Washington.

BROADCAST BAITING: This product may be broadcast by air or ground-driven dispensing devices. Apply bait once at a rate up to 10 lbs per acre (0.2 lb ai/A), or make two separate applications at rates of up to 5 lbs per acre (0.1 lb ai/A). The maximum annual application rate is 10 lbs per acre (0.2 lb ai/A).

Rate: 10 lbs/A (0.2 lb ai/A).

SUGAR BEETS

Voles and Mice

USE RESTRICTIONS: For control of meadow voles (*Microtus pennsylvanicus*), long-tailed voles (*M. longicaudus*), prairie voles (*M. ochrogaster*), pine voles (*M. pinetorum*), California voles (*M. californicus*), Oregon voles (*M. oregoni*), mountain voles (*M. montanus*), Townsend's voles (*M. townsendii*), white-footed mice (*Peromyscus leucopus*), and deer mice (*P. maniculatus*) in growing-season and preplant applications in sugar beets. Do not apply this product to sugar beets within 30 days of harvest. This use is restricted to Idaho, Oregon and Washington.

{RIGHT SIDE PANEL OR INSIDE BOOKLET}

BROADCAST BAITING: This product may be broadcast by air or ground-driven dispensing devices. Apply bait at rates up to 10 lbs. per acre (0.2 lbs. ai/A) at planting. A second application may be made at the same rate. The maximum annual application rate is 20 lbs per year (0.4 lb. ai/A).

Rate: 10 lbs/A (0.2 lb ai/A).

AERIAL BROADCAST BAITING: Apply bait by air at rates up to 10 lbs/A (0.2 lb ai/A) at planting. A second application may be made at the same rate. Apply bait at a maximum rate of 20 lbs/A (0.4 lb ai/A) per year.

Rate: 10 lbs/A (0.2 lb ai/A).

SUGARCANE

Rats

USE RESTRICTIONS: For control of Polynesian rats (*Rattus exulans*), Norway rats (*R. norvegicus*), roof rats (*R. rattus*), rice rats (*Oryzomys palustris*), Florida water rats (*Neofiber alleni*), and cotton rats (*Sigmodon hispidus*) in sugarcane fields. Do not graze animals in treated areas.

PREBAITING (Advisory): Prebaiting with three pounds of untreated whole oat or grain per acre one or two weeks prior to using toxic bait may enhance bait acceptance by rats.

BROADCAST BAITING: Broadcast bait by aircraft, ground-driven devices, or by hand at the rate of 5 lbs of bait per acre (0.1 lb ai/A). For a 36 month cycle crop, the maximum number of applications is 4 per crop or 20 lbs per acre (0.4 lb ai/A) per crop, and the preharvest interval (PHI) is 30 days. For a 24 month cycle crop, the maximum number of applications is 4 per crop or 20 lbs per acre (0.4 lb ai/A) per crop, and the PHI is 90 days. For a 12 month cycle crop, the maximum number of application is 2 per crop or 10 lbs per acre (0.2 lb ai/A) per crop, and the PHI is 90 days. For all crop cycles, the retreatment interval is 30 days.

Rate: 5 lbs/A (0.1 lb ai/A).

TIMOTHY AND TIMOTHY / ALFALFA AND MIXTURES PRODUCED FOR HAY

Voles

USE RESTRICTIONS: For control of meadow voles (*Microtus pennsylvanicus*), long-tailed voles (*M. longicaudus*), California voles (*M. californicus*), Oregon voles (*M. oregoni*), mountain voles (*M. montanus*), and Townsend's voles (*M. townsendii*) in timothy and timothy/alfalfa mixtures. Do not apply by air. Do not apply to actively growing timothy or timothy/alfalfa mixtures. This use is restricted to Idaho, Oregon and Washington. Do not apply to timothy or timothy/alfalfa mixtures within 60 days of harvest. Do not graze animals in treated areas.

BROADCAST BAITING: Broadcast bait using by hand, cyclone seeder, or ground-driven dispensing devices. A maximum of 2 applications by ground may be made at the rate of 5 to 10 lbs per acre (0.1-0.2 lb ai/A), one in the fall after the last cutting and one in the spring when timothy and timothy-legume mixtures are still dormant. Do not apply in piles or permit piles to be formed by equipment. A maximum of 20 lbs (0.4 lb ai/A) per acre may be applied annually.

Rate: 5-10 lbs/A (0.1-0.2 lb ai/A).

Ground Squirrels

USE RESTRICTIONS: For control of California ground squirrels (*Spermophilus beecheyi*), Columbian ground squirrels (*S. columbianus*), and Richardson's ground squirrels (*S. richardii*) in timothy.

PREBAITING (Mandatory): Prebait with untreated whole oat or grain to enhance acceptance by California, Columbian and Richardson's ground squirrels. Apply the prebait at 6 lbs per acre 1-2 days prior to using this product.

BROADCAST BAITING: Treat only once during treatment period. Broadcast bait using hand or ground-driven devices not to exceed 6 lbs per acre (0.12 lb ai/A per acre). Dispose of excess bait from application equipment according to "Pesticide Disposal" instructions.

Rate: 6 lbs/A (0.12 lb ai/A).

{RIGHT SIDE PANEL OR INSIDE BOOKLET}

TIMOTHY PRODUCED FOR SEED

Voles

USE RESTRICTIONS: For control of meadow voles (*Microtus pennsylvanicus*), long-tailed voles (*M. longicaudus*), California voles (*M. californicus*), Oregon voles (*M. oregoni*), mountain voles (*M. montanus*), and Townsend's voles (*M. townsendii*) in timothy during the non-growing season. Do not apply by air. Do not apply to actively growing timothy or timothy/alfalfa or timothy/clover mixtures. A minimum of 158 days must pass between an application of this product and any haying or livestock foraging activity. This use is restricted to Idaho, Oregon and Washington. Do not graze animals in treated areas.

BROADCAST BAITING: This product may be broadcast by hand, cyclone seeder, or ground-driven dispensing devices at rates of up to 10 lbs (0.2 lb active ingredient) per acre during crop dormancy. A maximum of 20 lbs per acre (0.4 lb ai/A) may be applied annually.

Rate: 10 lbs/A (0.2 lb ai/A).

WHEAT / TRITICALE

Voles and Mice

USE RESTRICTIONS: For control of meadow voles (*Microtus pennsylvanicus*), long-tailed voles (*M. longicaudus*), prairie voles (*M. ochrogaster*), pine voles (*M. pinetorum*), California voles (*M. californicus*), Oregon voles (*M. oregoni*), mountain voles (*M. montanus*), Townsend's voles (*M. townsendii*), white-footed mice (*Peromyscus leucopus*), and deer mice (*P. maniculatus*) in growing-season and preplant applications in wheat/triticale. Do not apply this product to wheat/triticale within 50 days of harvest. This use is restricted to Montana, Idaho, Oregon and Washington. Do not graze animals in treated areas.

BROADCAST BAITING: This product may be broadcast by air or ground-driven dispensing devices. Apply bait at a rate of up to 6 lbs. per acre (0.12 lb. ai/A) per acre. A second application may be made with a minimum interval of 25 days. The maximum application rate per year is 12 lbs. per acre (0.24 lb. ai/A) per acre.

Rate: 6 lbs/A (0.12 lb ai/A).

AERIAL BROADCAST BAITING: Apply bait by air at a rate of up to 6 lbs/A (0.12 lb ai/A). Two applications may be made per year separated by a minimum interval of 25 days. Apply bait at a maximum rate of 12 lbs/A (0.24 lb ai/A) per year.

Rate: 6 lbs/A (0.12 lb ai/A).

Ground Squirrels

USE RESTRICTIONS: For control of California ground squirrels (*Spermophilus beecheyi*), Columbian ground squirrels (*S. columbianus*), and Richardson's ground squirrels (*S. richardii*) in wheat/triticale.

PREBAITING (Mandatory): Prebait with untreated whole oat or grain to enhance acceptance by California, Columbian and Richardson's ground squirrels. Apply the prebait at 6 lbs per acre 1-2 days prior to using this product.

BROADCAST BAITING: This product may be broadcast by air or ground-driven dispensing devices. Apply bait at a rate of up to 6 lbs. per acre (0.12 lb ai/A per acre). A second application may be made within 25 days if required. The maximum application rate per year is 12 lbs. per acre (0.24 lb ai/A).

Rate: 6 lbs/A (0.12 lb ai/A).

{RIGHT SIDE PANEL OR INSIDE BOOKLET}

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store only in original container, in a dry, cool place inaccessible to children, pets and domestic animals. Keep containers closed and away from other chemicals. Do not store in and around the home.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

1. **Measuring Devices:** Use detergent and hot water to wash spoons, utensils, and measuring devices used for baiting. Do not reuse spoon, utensils, or measuring devices for mixing, holding or transferring food or feed.
2. **Spilled and Excess Bait:** Wearing barrier laminate gloves clean up any spilled bait immediately and collect excess bait from application equipment. If bait cannot be applied according to label directions, properly dispose of it according to the "Pesticide Disposal" text.
3. **Carcasses:** Wearing barrier laminate gloves, bury carcasses of ground squirrels (18 inches deep) in holes dug on site or in inactive burrows. Cover and pack with soil. Alternately, use other disposal methods that state and local authorities allow.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration.

WARRANTY

Seller warrants that this product conforms to the chemical description on the label and is reasonable for the purposes referred to in the directions for use. To the extent consistent with applicable law, Seller makes no other warranties, express or implied, including FITNESS or MERCHANTABILITY. To the extent consistent with applicable law, in no case shall the seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. To the extent consistent with applicable law, the foregoing is a condition of sale by the Seller and is acceptable as such by the buyer.

[BATCH CODE: _____]

[EPA APPROVAL DATE]