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BRODIFACOUM 25W CONSERVATION PELLETS

Rodenticide

**Contains a preservative against mold
Moisture Resistant**

KILLS NORWAY RATS, BLACK RATS AND HOUSE MICE

REGISTRATION NO.: **31015** PEST CONTROL PRODUCTS ACT

RESTRICTED

WARNING



POISON

GUARANTEE

Brodifacoum.....0.0025% (when packed)

Warning, contains the allergens wheat and soy.
Contains potassium sorbate at 1.0%, as a preservative.

READ THE LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN

Only to be used by persons authorized in government-approved pest control programs.

NET CONTENTS: 4 kg - 454 kg

Manufactured by: Bell Laboratories, Inc., 3699 Kinsman Blvd., Madison, WI 53704 USA
Tel: 608-241-0202

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offense under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

RESTRICTED USES: For use only to control or eradicate non-native Norway rats, black rats and house mice on islands for the protection of threatened nesting seabirds and/or native species and their habitat.

NATURE OF RESTRICTION: For use only by or under the supervision of the federal or provincial government conservation agencies such as the Canadian Wildlife Service, Parks Canada and/or Ministry of Environment in compliance with recommendations of the required environmental impact assessment and other provincial or territorial requirements.

READ THE LABEL BEFORE USING: Read this entire label and follow all use directions and precautions.

PRODUCT INFORMATION:

Brodifacoum 25W Conservation Pellets are effective against the Norway Rat (*Rattus norvegicus*), the Black Rat (*Rattus rattus*) and the House Mouse (*Mus musculus*). It differs from other indirect anticoagulant rodenticides such as warfarin in that the formulated product kills after a single feeding for many species with first dead rats and/or house mice appearing four or five days after feeding begins. Brodifacoum 25W Conservation Pellets are effective on rats and/or house mice which are resistant to conventional anticoagulants.

DIRECTIONS FOR USE:

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

Eradication or control of Norway and black rats and house mice for the protection of threatened nesting seabirds and/or native species and their habitat must follow protocols established and approved by a government conservation agency, following a site specific environmental impact assessment.

Broadcast applications are prohibited on vessels or in areas of human habitation. Take into consideration wind speed, wind direction, and application equipment.

Specific bait quantities, spacing, and bait placement locations are dependent on rat or mouse density and to be specifically determined by the experts conducting the eradication project. Pest density can vary among various habitats within an island. Rates should be stratified to reflect these differences. These important variables will be approved by the

government conservation agencies before any bait placement can occur. Make initial broadcast application at a rate no greater than 25 kg bait per hectare. Make a second broadcast application, typically 5 to 7 days after the first application, depending on local weather conditions, at a rate no more than 18 kg bait per hectare. In situations where weather or logistics only allow one bait application, a single application may be made at a rate no more than 25 kg bait per hectare.

For all methods of baiting, monitor the baited area at least twice per week where feasible until 21 days have passed since the last application. Using gloves, collect and dispose of any dead animals and spilled or spoiled bait according to the DISPOSAL section of this label.

Bait Stations:

USE LIMITATIONS:

Tier 1 tamper-resistant bait stations must be used when applying this product to target areas. Bait stations (tier 1) used outdoors, above-ground, in locations accessible to children, pets and non-target wildlife must have the following characteristic: (1) be resistant to destruction or weakening by elements of typical non-catastrophic weather (such as, snow, rain, extremes of temperature and humidity, direct sunshine, etc.); (2) be constructed of high-strength material (e.g., metal or injection moulded plastic) and resistant to destruction by children and by non-target animals; (3) have an entrance designed so that children and non-target animals cannot reach the bait; (4) have an internal structure that prevents bait from being shaken loose; (5) have an access panel that fastens securely and locks (e.g., metal screw or padlock); and (6) bear the product name, active ingredient, guarantee, registration number, "WARNING POISON", and the skull and crossbones symbol.

Apply up to 120 grams of bait per bait station. Bait stations must be checked weekly and restocked regularly to maintain an uninterrupted supply of fresh bait for at least 21 days or until signs of rodent activity has ceased. Place bait stations inside and around all inhabited structures that cannot be treated with hand or aerial broadcast. Space bait stations at intervals no greater than 100 meters.

Canopy Baiting (bait placement in the canopy of trees and shrubs): In areas where sufficient food and cover are available to harbor populations of rodents in canopies of trees and shrubs, canopy baiting should be included in the baiting strategy. Bait these habitats using bait bolas consisting of two biodegradable bags, each bag containing up to 25 grams of bait, tied together by a short length of string. Using long poles (or other devices) or by hand, bait filled bags should be placed in the canopy of trees or shrubs. Baits should be placed in the canopy at intervals of 100 meters or less, depending upon the level of rodent infestation in these habitats. In some vegetation types, bait stations may need to be used to ensure bait will stay in the canopy. Two applications should be made during the initial eradication attempt. The second application should be timed to target young rodents emerging from the nest. Additional applications may be required in the event rodents or signs of rodent activity are found after the initial eradication attempt in order to eliminate remaining survivors.

Broadcast Application: Broadcast bait using aircraft (helicopter) or by gloved hand. Two broadcast applications should be made during the initial eradication attempt. The maximum rate for the first application is 25 kg/ha. The maximum rate for the second application is 18 kg/ha. The second broadcast application should be timed to maximize the probability of baiting weanling rodents that may emerge from the nest after the first application, but will also be dependent on local weather conditions. The same rates must be used for hand baiting. Additional broadcast applications may be required in the event rodents or signs of rodent activity are found after the initial eradication attempt in order to eliminate remaining survivors.

The bait application rate must ensure that the entire land mass is treated with sufficient bait to present a minimum of one lethal dose for each rodent present (in each potential rodent territory), for long enough that rodents can find and consume the bait (typically 3-4 days) and to account for loss of bait to other vertebrate species, invertebrates, as well as degradation of bait over that time period. Determination of the final project broadcast application rate will be calculated from the total amount of bait applied via broadcast baiting to the emergent land area.

At points where flight lines overlap, the amount of bait applied might locally exceed the prescribed application rate. This could occur along adjacent borders of parallel swaths, at the end of swaths where they intercept the swaths created by shoreline baiting, or in areas missed during the initial baiting operations, as indicated by the GPS flight path data. Minimize areas where the allowable application rate is exceeded as much as possible while ensuring that all areas are baited sufficiently.

If bait application is interrupted due to poor weather conditions, "back baiting" of previously baited swaths is permitted to ensure rodents are exposed to the bait. Use the following rules to determine the extent of back baiting.

Application Delay

1-3 days
>3 days

Resume baiting strategy

At drop boundary
2-4 swath widths behind the drop boundary

AERIAL APPLICATION

Generic Aerial Application Label Instructions - Directions for Use

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label.

Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label.

Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices.

Use Precautions

Apply only when meteorological conditions at the treatment site allow for complete coverage. Apply only under conditions of good practice specific to aerial application as outlined in the National Aerial Pesticide Application Manual, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides.

Operator Precautions

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted.

It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

The field crew and the mixer/loaders must wear coveralls over a long-sleeved shirt and long pants, goggles, chemical-resistant gloves, shoes plus socks, and a NIOSH-approved particulate-filter respirator during mixing/loading, cleanup and repair.

All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

Product Specific Precautions

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at (608) 241-0202 or obtain technical advice from the distributor or your provincial agricultural representative. Application of this specific product must meet and/or conform to the following:

Do not exceed the maximum rate specified in the Directions for Use on this label.

PRECAUTIONS

All handlers must wear long-sleeved shirt and long pants, shoes plus socks, and chemical-resistant gloves when handling this product.

Users should remove clothing immediately if pesticide gets inside. Then wash skin thoroughly and put on clean clothing.

KEEP OUT OF REACH OF CHILDREN, PETS AND LIVESTOCK. May be harmful or fatal if swallowed or absorbed through the skin. Chemical-resistant gloves must be worn when handling product and when disposing of dead rodents, unconsumed bait and empty containers. Avoid contact with eyes, skin or clothing. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Wash skin thoroughly with soap and water after handling.

Wash contaminated clothing, separately from other laundry, with soap and hot water before reuse. **KEEP AWAY FROM FEED AND FOODSTUFFS.** This product is toxic to fish, birds, mammals, and wildlife. Keep out of lakes, streams, or ponds. Do not store near eating utensils and potable water supplies.

NOTE: Dogs poisoned by Brodifacoum 25W Conservation Pellets exhibit loss of appetite and listlessness. Any suspicion of poisoning should be reported to a veterinarian immediately for treatment.

FIRST AID

IF SWALLOWED: Call a poison control centre or doctor 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 a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

IF IN EYES: 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 centre or doctor for treatment advice.

For all cases of human ingestion, immediately notify a physician or poison control centre. If pet or livestock poisoning is suspected, immediately contact a veterinarian.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION

NOTE TO PHYSICIAN OR VETERINARIAN: If swallowed, this material may reduce the clotting ability of blood and cause bleeding. If ingested, Vitamin K₁ in the form of intramuscular or subcutaneous injection, or by oral ingestion is the suggested remedial treatment for anticoagulant poisoning. The severity of the case, as measured by establishing the prolonged prothrombin times (P.T.) will determine the appropriate therapy. Monitoring P.T. will indicate any necessity of repeated treatments.

Antidote: Vitamin K₁ – Phytomenadione BP

Adult dosage: 40 mg/day in divided doses

Child dosage: 20 mg/day in divided doses

Dog dosage: 2 mg/kg once or twice daily for at least 4 days.

Antidote must be administered under medical supervision. It is advisable to monitor haemoglobin levels. Patients should be kept under medical supervision until prothrombin times return to and remain normal and/or bleeding has ceased.

Supportive Measures: Blood should be grouped and cross matched as soon as possible. Transfusions of compatible blood may be necessary if severe or persistent bleeding occurs.

EMERGENCY TELEPHONE NUMBER

All hours, 1-952-852-4636

ENVIRONMENTAL HAZARDS

The operational requirements for seabird habitat conservation using rodent eradication are stringent and require complete eradication of rodents. Brodifacoum 25W Conservation Pellets are significantly more potent than warfarin formulations and can potentially result in direct exposure risk to native mammals and birds and secondary exposure of mammalian or avian predators and scavengers. To prevent accidents, follow directions for use and placement exactly. If there are non-target impacts, ensure that they are fully recorded and reported to a representative of Parks Canada, the Canadian Wildlife Service or other resource management agencies.

STORAGE AND DISPOSAL

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

STORAGE: Store in a cool, dry place away from other chemicals and food or feed. Store product not in use, in original container, in a secure location inaccessible to children and non-target animals. Store away from products with strong odors, which may contaminate the bait and reduce acceptability. Spillage should be carefully swept up and collected for disposal.

DISPOSAL: Do not reuse empty container. Dispose of unused or spoiled bait in accordance with local requirements. Follow provincial instructions for any required cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the container in accordance with provincial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

Rodent Disposal: Dispose of dead rodents in garbage or by burying.