

61282-14

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

APR 13 2009

Jennifer Seifert
Hacco, Inc.
110 Hopkins Drive
Randolf, WI 53956

Subject: **Notification:** Updated Storage and Disposal Statement
Zinc Phosphide Oat Bait
EPA Reg. No. 61282-14
Submission Dated: March 11, 2009

Dear Ms. Seifert:

The Agency is in receipt of your Application for Pesticide Notifications under Pesticide Registration Notice (PRN) 2007-04 dated 3-11-09 for the product EPA Reg No 61282-14. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 2007-04 and finds that the action(s) requested fall within the scope of PRN 2007-04. The Confidential Statement of Formula (CSF) and/or label submitted with the application has (have) been stamped "Notification" and will be placed in our records.

If you have any questions, please call me @ 703-305-5314.

Sincerely,

A handwritten signature in black ink, appearing to read "AM", written over a horizontal line.

Autumn Metzger
Biologist
Insecticide-Rodenticide Branch
Office of Pesticide Programs

EPA	United States Environmental Protection Agency	<input type="checkbox"/> Registration	OPP Identifier Number
	Office of Pesticide Programs (H7505C) Washington, DC 20460	<input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	
Application for Pesticide:		Notification	

Section I

1. Company/Product Number 61282-14	2. EPA Chemical Manager John Hebert	3. Proposed Classification <input type="checkbox"/> None <input checked="" type="checkbox"/> Restricted
4. Company/Product (Name) Zinc Phosphide Oat Bait	PM# 6768 4	
5. Name and Address of Applicant (Include ZIP Code) HACCO, Inc. 110 Hopkins Drive Randolph, WI 53956	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	
<input type="checkbox"/> Check if this is a new address	NOTIFICATION APR 13 2009	

Section II

<input type="checkbox"/> Amendment - Explain Below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application
<input checked="" type="checkbox"/> Notification - Explain below	<input type="checkbox"/> Other - explain below

Explanation: Notification of label change per PR Notice 2007-04. This notification is consistent with the guidance in PR Notice 2007-04 and the requirements of EPA's regulations at 40 CFR §156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statements to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No <i>*Certification must be submitted.</i>	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) <u>C</u>
If "Yes," Unit Package Wt. No. Per Container		If "Yes," Package Wt. No. Per Container	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) of Retail Container 10lb, 50lb	5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product
6. Manner In Which Label Is Affixed To Product <input checked="" type="checkbox"/> Lithograph Other (_____) <input checked="" type="checkbox"/> Paper Glued <input type="checkbox"/> Stenciled			

Section IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Jennifer J. Seifert	Title Manager, Regulatory Affairs	Telephone No. (Include Area Code) (920) 323-2431
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Manager, Regulatory Affairs	
4. Typed Name Jennifer J. Seifert	5. Date 3/11/09	



Manufacturing Plant
110 Hopkins Drive
Randolph, WI 53956-1316
920 / 326-5141
920 / 326-5135
www.hacco.com

Registration Office
110 Hopkins Drive
Randolph, WI 53956-1316
920 / 326-5141
920 / 326-5135
www.hacco.com

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March 11th, 2009

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

Fed Ex: 8541 0696 8276

RE: Zinc Phosphide Oat Bait
EPA Reg. No. 61282-14

Gentlemen/Ladies:

Pursuant to PR-Notices 2007-04, in regard to the subject product, we are hereby notifying the Agency of the revision to the Storage and Disposal text.

Following is my statement as required by PR-Notice 2007-04:

Notification of label change per PR Notice 2007-04. This notification is consistent with the guidance in PR Notice 2007-04 and the requirements of EPA's regulations at 40 CFR §156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statements to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Attached please find the completed application form marked for Notification, as well as a "before" and "after" label, with the revisions clearly marked.

If you should have any questions regarding this matter, please contact me at 920-326-2461.

Sincerely,

Jennifer J. Seifert
Manager, Regulatory Affairs
HACCO, Inc.
jseifert@neogen.com

Enclosure(s): 2

RESTRICTED USE PESTICIDE

DUE TO HAZARD TO NON-TARGET SPECIES

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

ZINC PHOSPHIDE OAT BAIT

For spot treatment in and around buildings, orchards and groves, vineyards, sugarcane fields, rangeland and noncrop areas. For broadcasting by ground spreader or aircraft in non-bearing orchards, sugarcane fields and specified noncrop areas. For broadcasting by ground spreader in vineyards.

NOTIFICATION

APR 13 2009

ACTIVE INGREDIENT:

Zinc Phosphide2.0%

INERT INGREDIENTS:.....98.0%

TOTAL.....100.0%

EPA Reg. No. 61282-14

EPA Est. No. 61282-WI-1

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

Have label with you when obtaining treatment advice.

Any persons applying zinc phosphide products and experiencing signs and symptoms such as nausea, abdominal pain, tightness in the chest, or weakness, should be seen by a physician immediately.

If swallowed	<ul style="list-style-type: none">• Call a poison control center, doctor or 1-800-498-5743 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.
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, doctor, or 1-800-498-5743 immediately for treatment advice.	

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Keep away from humans, domestic animals and pets. May be fatal or harmful if swallowed. Avoid eye or skin contact. Wear rubber gloves when handling this product. Do not breathe dust. Avoid contamination of feed or foodstuffs. Avoid contact with acids. Store in a dry place. Do not store around the home. Wash all utensils, spoons, or measuring devices thoroughly after using.

ENVIRONMENTAL HAZARDS

This product is toxic to wildlife and fish. Birds and other wildlife feeding on treated bait may be killed. Do not apply to open ground, roads and areas in which no vegetation occurs. Pick up and properly dispose of all spilled toxic bait. Do not apply this product directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff from this product will enter an aquatic system. Do not contaminate water when disposing of equipment wash waters. Check for and dispose of excess or spoiled bait and carcasses daily until the bait is expended or is removed.

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. 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 an "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.

ENDANGERED SPECIES CONSIDERATIONS:

Whooping crane (*Grus americana*)

Do not use this product 30 days prior to arrival and 30 days after the whooping crane leaves known crane habitat.

Attwater's greater prairie chicken (*Tympanuchus cupido attwateri*)

Do not use this product in the presently occupied range of the Attwater greater prairie chicken in the following Texas counties: Aransas, Austin, Brazoria, Colorado, DeWitt, Fort Bend, Galveston, Goliad, Harris, Refugio, Victoria, Waller, and Wharton.

Yellow-shouldered blackbird (*Agelaius xanthomus*) and

Puerto Rican plain pigeon (*Columba inornata websteri*)

This product must not be used in the following areas except in tamper-proof bait boxes (within 10 kilometers of Central Aquine, Lago Cidra, Ceiba, San German: 15 kilometers of La Esperanza: South of Highway 2 from city of Mayaguez to the city of Ponce and all of Mona Island, Puerto Rico).

Utah prairie dog (*Cynomys parvidens*)

Do not use this product in the range of the Utah prairie dog.

Salt-marsh harvest mouse (*Reithrodontomys raviventris*)

Do not use this product within 1/2 mile of salt marsh vegetation and/or trackless 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 the confluence of the Sacramento River and the San Joaquin River. (California)

Morro Bay kangaroo rat (*Dipodomys heermanni morroensis*)

Do not use this product within 2 1/2 miles of Baywood Park which is located on Morro Bay. (California)

Aleutian Canada goose (*Branta canadensis leucoparia*)

Do not use this product from October to March in the Federally closed goose hunting areas in the state of California. See current Duck and Goose Hunting game laws for current map.

DIRECTIONS FOR USE

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

READ THIS LABEL: Read this entire label and follow all use directions and use precautions.

RE-ENTRY STATEMENT

Do not enter treated areas without protective clothing on the day of application. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Written or oral precautions must be given to workers engaged in agricultural hand labor who are expected to be in a treated area or in an area about to be treated with this product. Written or oral precautions must include the following information:

CAUTION: Area treated with zinc phosphide on (date of application). Do not enter treated area the day of application without protective clothing and gloves. Protective clothing at a minimum should include clean long pants, long sleeved shirt, shoes and socks. For accidental exposure, see First Aid statements. Oral precautions must be given if there is a reason to believe that written precautions cannot be understood by workers. When oral precautions are given, precautions shall be given in a language customarily understood by workers.

LIMITATIONS

The Following Limitations apply to the Agricultural Areas listed on this label: Bait must not be applied on roads, near residential areas, or over water. Do not broadcast over growing crops other than sugarcane. Apply bait on warm, clear days. Do not graze animals in treated areas.

ALFALFA & TIMOTHY HAYFIELDS

USE RESTRICTIONS: For control of Meadow voles (*Microtus pennsylvanicus*) in alfalfa and timothy hayfields during the dormant season only. Bait must be placed in secured, tamper-resistant bait stations designed to prevent spillage or tampering of bait from the unit. Entrance holes in bait stations must be small enough that species larger than Meadow voles cannot enter. Place bait stations in areas where Meadow voles are foraging.

BAITING: Place at least four ounces of bait per bait station. Maintain an uninterrupted supply of bait until bait stations are removed from fields. Remove stations before plant growth resumes in spring.

ALFALFA, LAWNS, GOLF COURSES, OTHER NONCROP AREAS

USE RESTRICTIONS: For control of the following pocket gophers: Plains (*Geomys bursarius*), Southeastern (*G. pin. tis*), Yellow-faced (*Pappogeomys castanops*), and *Thomomys spp.* in subterranean applications only. (Includes use on lawns, golf courses, noncrop areas and alfalfa.)

FINDING BAITING:

Locating Underground Runways: Use 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 one teaspoon 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 n Recover and bury all spilled bait.

BURROW BUILDER: Drop teaspoonful the machine. Space rows at 20- to 30-foot

USE RESTRICTIONS: For control of (*Peromyscus spp.*), and Meadow jumping bait may lodge on the plant. Do not apply **BROADCAST BAITING:** Broadcast by (wear rubber gloves during hand broadcast by air.

SPOT TREATMENT: Baits may be p teaspoons of bait in stations at the base of from trees prior to shaker harvest or from days prior to harvesting.

BURROW TREATMENT: Place 1-2 provided nuts are not retrieved from burn **BROADCAST BAITING:** Broadcast at device or by hand (wear rubber gloves d noncrop areas if recommended and super shall not exceed four (4) per year. The tot

ORNAMENT bearing nursery stock.

BROADCAST BAITING: Under infes cyclone seeder or by hand (wear rubber heaviest vegetation cover. Do not broadc **HAND BAITING:** Near the base of inf surface trails or at the mouths of holes in on bare ground. Do not disturb the runway

USE RESTRICTIONS: For control of. This product is to be applied during the (a non-bearing phase. Do not apply to bare **SPOT OR TRAIL BAITING:** Place 1 underground burrow systems. Two to fo disturb the runway system, and cover be acre.

BAIT PLACEMENT STATION: Esta! 2-3 months prior to the baiting period fiberboard rays, wood or metal at the t station. Bait should be applied at the rate **TRAILBUILDER:** Drop teaspoon quan just inside the drip line on both sides of t **BROADCAST BAITING:** This prod applying by hand (wear rubber gloves d cover along tree rows, rock outcrops, an acre.

PRAIRIE DOGS

USE RESTRICTIONS: For control (*leucurus*), and Gunnison's (*C. gunnisoni*) Arizona, Colorado, Kansas, Montana, N Utah and Wyoming. Before baiting for j determine whether a black-footed ferret j **PREBAITING:** To increase acceptance groats per mound, one or two days prior **BAITING:** After all or most of the preb Apply bait by hand as a six-inch bait spc one teaspoon per bait spot, during late s period. Dispose of spilled or unwanted b

GROUND SQUIRRELS

USE RESTRICTIONS: For control (*richardsonii*) ground squirrels on rangeland **PREBAITING:** To increase acceptance with one teaspoon untreated oat groats as

2/2

ESTICIDE

ET SPECIES

Persons under their direct
Applied applicator's certification.

MOUSE BAIT

yards, sugarcane fields, rangeland and
bearing orchards, sugarcane fields and

NOTIFICATION

...2.0%
98.0%
00.0%

APR 13 2009

82-WI-1

CHILDREN

nt advice.
Warning signs and symptoms
illness, should be seen by

or 1-800-498-5743
transport the patient to

h.
to do so by the poison

of water for 15-20

imbalance, then give
mouth-to-mouth, if possible.
Gently with water for 15-

fter the first 5 minutes,

mediately for treatment

TS
ANIMALS

armful if swallowed. Avoid eye or skin
e dust. Avoid contamination of feed or
around the home. Wash all utensils,

on treated bait may be killed. Do not
pick up and properly dispose of all spilled
surface water is present or to intertidal
his product will enter an aquatic system.
check for and dispose of excess or spoiled

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. 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 an "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.

ENDANGERED SPECIES CONSIDERATIONS:

Whooping crane (*Grus americana*)

Do not use this product 30 days prior to arrival and 30 days after the whooping crane leaves known crane habitat.

Attwater's greater prairie chicken (*Tympanuchus cupido attwateri*)

Do not use this product in the presently occupied range of the Attwater greater prairie chicken in the following Texas counties: Aransas, Austin, Brazoria, Colorado, DeWitt, Fort Bend, Galveston, Goliad, Harris, Refugio, Victoria, Waller, and Wharton.

Yellow-shouldered blackbird (*Agelaius xanthomus*) and

Puerto Rican plain pigeon (*Columba inornata wetmorei*)

This product must not be used in the following areas except in tamper-proof bait boxes (within 10 kilometers of Central Aquino, Lago Cidra, Ceiba, San German: 15 kilometers of La Esperanza: South of Highway 2 from city of Mayaguez to the city of Ponce and all of Mona Island, Puerto Rico).

Utah prairie dog (*Cynomys parvidens*)

Do not use this product in the range of the Utah prairie dog.

Salt-marsh harvest mouse (*Reithrodontomys raviventris*)

Do not use this product within 1/2 mile 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 the confluence of the Sacramento River and the San Joaquin River. (California)

Morro Bay kangaroo rat (*Dipodomys heermanni morroensis*)

Do not use this product within 2 1/2 miles of Baywood Park which is located on Morro Bay. (California)

Aleutian Canada goose (*Branta canadensis leucoparia*)

Do not use this product from October to March in the Federally closed goose hunting areas in the state of California. See current Duck and Goose Hunting game laws for current map.

DIRECTIONS FOR USE

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READ THIS LABEL: Read this entire label and follow all use directions and use precautions.

RE-ENTRY STATEMENT

Do not enter treated areas without protective clothing on the day of application. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Written or oral precautions must be given to workers engaged in agricultural hand labor who are expected to be in a treated area or in an area about to be treated with this product. Written or oral precautions must include the following information:

CAUTION: Area treated with zinc phosphide on (date of application). Do not enter treated area the day of application without protective clothing and gloves. Protective clothing at a minimum should include clean long pants, long sleeved shirt, shoes and socks. For accidental exposure, see First Aid statements. Oral precautions must be given if there is a reason to believe that written precautions cannot be understood by workers. When oral precautions are given, precautions shall be given in a language customarily understood by workers.

LIMITATIONS

The Following Limitations apply to the Agricultural Areas listed on this label: Bait must not be applied on roads, near residential areas, or over water. Do not broadcast over growing crops other than sugarcane. Apply bait on warm, clear days. Do not graze animals in treated areas.

ALFALFA & TIMOTHY HAYFIELDS

USE RESTRICTIONS: For control of Meadow voles (*Microtus pennsylvanicus*) in alfalfa and timothy hayfields during the dormant season only. Bait must be placed in secured, tamper-resistant bait stations designed to prevent spillage or tampering of bait from the unit. Entrance holes in bait stations must be small enough that species larger than Meadow voles cannot enter. Place bait stations in areas where Meadow voles are foraging.

BAITING: Place at least four ounces of bait per bait station. Maintain an uninterrupted supply of bait until bait stations are removed from fields. Remove stations before plant growth resumes in spring.

ALFALFA, LAWNS, GOLF COURSES, OTHER NONCROP AREAS

USE RESTRICTIONS: For control of the following pocket gophers: Plains (*Geomys bursarius*), Southeastern (*G. pin-tis*), Yellow-faced (*Pappagomys castanops*), and *Thomomys spp.* in subterranean applications only. (Includes use in lawns, golf courses, noncrop areas and alfalfa.)

FINDING BAITING:

Locating Underground Runways: Use 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 form soil.

Applying Bait to Runways: Using a long-handled spoon or mechanical probe, drop one teaspoon 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.

BURROW BUILDER: Drop teaspoonful quantity of bait at 4-5 foot intervals in the artificial burrow made by the machine. Space rows at 20- to 30-foot intervals. Apply at a rate of 2-3 pounds per acre.

GRAPE VINEYARDS

USE RESTRICTIONS: For control of Meadow, Prairie and Pine voles (*Microtus spp.*), White-footed mice (*Peromyscus spp.*), and Meadow jumping mice (*Zapus spp.*). Do not broadcast bait over growing crops when the bait may lodge on the plant. Do not apply to bare ground.

BROADCAST BAITING: Broadcast bait evenly on the ground between the rows by cyclone seeder or by hand (wear rubber gloves during hand broadcast operation). Apply bait at a rate of 6-10 pounds per acre. Do not apply by air.

MACADAMIA NUT ORCHARDS

USE RESTRICTIONS: For control of Roof rats (*Rattus rattus*) in Macadamia Nut orchards.

SPOT TREATMENT: Baits may be placed in bait stations on the ground or in stations in trees. Place 1-2 teaspoons of bait in stations at the base of each tree and in each station in trees. 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 harvesting.

BURROW TREATMENT: Place 1-2 teaspoons of bait in each burrow. No preharvest interval is required provided rats are not retrieved from burrows.

BROADCAST BAITING: Broadcast at the rate of five (5) pounds of bait per acre in orchard using a ground device or by hand (wear rubber gloves during hand broadcast operation). Aircraft may be used to treat adjacent noncrop areas if recommended and supervised by the Hawaii Department of Health. The number of applications shall not exceed four (4) per year. The total amount of bait applied shall not exceed 20 pounds per acre per year.

NURSERY STOCK -

ORNAMENTAL AND NON-BEARING FRUIT TREES

USE RESTRICTIONS: For control of Meadow, Prairie and Pine voles (*Microtus spp.*) in ornamental and non-bearing nursery stock.

BROADCAST BAITING: Under infested nursery stock and/or non-bearing fruit trees, broadcast evenly by cyclone seeder or by hand (wear rubber gloves during hand broadcast operations). Concentrate in areas with the heaviest vegetation cover. Do not broadcast bait on bare ground. Apply at a rate of 6-10 pounds per acre.

HAND BAITING: Near the base of infested stock, place teaspoon quantities of bait in 2-4 locations, either on surface trails or at the mouths of holes leading to underground burrow systems. Do not allow bait to be exposed on bare ground. Do not disturb the runway system. Bait at a rate of 2-3 pounds per acre of infested stock.

ORCHARDS & GROVES

USE RESTRICTIONS: For control of Meadow, Prairie and Pine voles (*Microtus spp.*) in orchards and groves. This product is to be applied during the dormant season. Apply bait after harvest while the orchard or grove is in a non-bearing phase. Do not apply to bare ground.

SPOT OR TRAIL BAITING: Place 1 teaspoon of bait in surface trails or at the mouths of holes leading to underground burrow systems. Two to four bait spots should be made near the base of each infested tree. Do not disturb the runway system, and cover bait by pulling overhanging grass back in place. Use 2-3 pounds bait per acre.

BAIT PLACEMENT STATION: Establish two stations per tree (or establish 320 stations uniformly per acre) 2-3 months prior to the baiting period by placing rectangular pieces (at least 15" x 15") of asphalt shingles, fiberboard rays, wood or metal at the tree dripline. At time of baiting, place 1-2 level tablespoons under each station. Bait should be applied at the rate of 6 to 10 pounds per acre.

TRAILBUILDER: Drop teaspoon quantity of bait at 4-5 foot intervals in the artificial trail made by the machine just inside the drip line on both sides of the trees. Apply at the rate of 2-3 pounds per acre.

BROADCAST BAITING: This product may be broadcast by aircraft, cyclone seeder, or by hand. When applying by hand (wear rubber gloves during hand broadcast operations), throw tablespoon amounts into heavy cover along tree rows, rock outcrops, and fence lines. Bait should be applied at the rate of 6 to 10 pounds per acre.

RANGELAND

PRAIRIE DOGS

USE RESTRICTIONS: For control of prairie dogs, black-tailed (*Cynomys ludovicianus*), white-tailed (*C. leucurus*), and Gunnison's (*C. gunnisoni*) on rangeland where nontarget species will not be endangered in Arizona, Colorado, Kansas, Montana, Nebraska, New Mexico, North Dakota, Oklahoma, South Dakota, Texas, Utah and Wyoming. Before baiting for prairie dogs, contact the nearest U.S. Fish and Wildlife Service office to determine whether a black-footed ferret survey is required.

PREBAITING: To increase acceptance of treated bait by prairie dogs, prebait with one teaspoon of untreated oat groats per mound, one or two days prior to using toxic bait. Establish observation period during prebaiting.

BAITING: After all or most of the prebait has been eaten, apply bait only to areas where prebait was consumed. Apply bait by hand as a six-inch bait spot on edge of each mound or in adjacent feeding area. Apply at the rate of one teaspoon per bait spot, during late summer or fall (July-December). Do not apply more than once during this period. Dispose of spilled or unwanted bait by burial.

GROUND SQUIRRELS

USE RESTRICTIONS: For control of Columbian (*Spermophilus columbianus*) and Richardson's (*S. richardsonii*) ground squirrels on rangeland.

PREBAITING: To increase acceptance of treated bait by Columbian and Richardson's ground squirrels, prebait with one teaspoon untreated oat groats as a six-inch bait spot on edge of each mound or in adjacent feeding area.

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BAITING: Apply bait by hand as a six-inch bait spot on edge of mound or in adjacent feeding area. Apply at the rate of one teaspoon per bait spot.

RANGELAND & NONCROP AREAS

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 rangeland vegetation and noncrop areas.

HAND BAITING: Place one tablespoon of bait at 2 locations on opposite sides of mounds. Attempt to place bait in feeding runs near the entrance to burrows.

SUGARCANE

USE RESTRICTIONS: For control of Polynesian (*Rattus exulans*), Norway (*R. norvegicus*), Rice (*Oryzomys palustris*), Florida water (*Neofiber alleni*), Cotton (*Sigmodon hispidus*), and Roof rats (*R. rattus*) in sugarcane fields. Do not apply within 30 days of harvest. Do not apply to adjacent noncrop areas. The total number of applications must not exceed four per crop period, and the total amount of bait applied shall not exceed 20 pounds per acre.

PREBAITING: To increase acceptance of treated bait by rats, broadcast three pounds of untreated oat groats per acre one or two weeks prior to using toxic bait.

BROADCAST BAITING: Apply five pounds of bait per acre per treatment. Bait may be broadcast by aircraft, by ground-driven equipment, or by hand (wear rubber gloves during hand broadcast applications).

NONCROP RIGHTS-OF-WAY

USE RESTRICTIONS: For control of California ground squirrels (*Spermophilus beecheyi*) meadow, prairie and pine voles (*Microtus spp.*) in noncrop rights-of-way next to canal and ditch banks and other noncrop borders during late spring and 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 insure this product is used in accordance with regulations.

PREBAITING: To increase acceptance of bait by ground squirrels, broadcast six pounds of untreated oat groats per acre along rights-of-way 2-3 days prior to using toxic bait.

BAITING: Broadcast bait in a 10-15 foot swath along rights-of-way, using hand or ground-driven dispensing devices (wear rubber gloves during hand broadcast operation). Do not exceed six pounds per acre. Do not treat any area more than once per year. When applying next to canals, apply only to the canal right-of-way between the base of the levee and adjacent properties. Do not treat the canal and levee. Dispose of excess bait from application equipment by burial.

HAND BAITING IN NONCROP AREAS

Such as Lawns, Ornamentals, Golf Courses, Parks and Nurseries

USE RESTRICTIONS: For control of Meadow, Prairie and Pine voles (*Microtus spp.*), Thirteen-lined ground squirrels (*Spermophilus tridecemlineatus*), California ground squirrels (*S. beecheyi*), Columbian ground squirrels (*S. columbianus*), and Richardson's ground squirrels (*S. richardsonii*). Do not apply on roads, over water or where plants are grown for food or feed.

PREBAITING: To increase acceptance of treated bait by ground squirrels, prebait with one teaspoon of untreated oat groats around each active burrow 2-3 days prior to using toxic bait.

HAND BAITING: Apply one teaspoon of bait around each active burrow or runway. Allow bait to fall through grass to ground surface but do not apply to bare ground. Do not place bait in piles.

IN AND AROUND BUILDINGS

IMPORTANT: Do not expose children, pets, or other nontarget 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 nontarget 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 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.

USE RESTRICTIONS: For control of Norway rats (*R. norvegicus*), Roof rats (*R. rattus*), and house mice (*Mus musculus*) in and around homes, industrial, agricultural buildings, and similar man-made structures. Do not contaminate food/feed or food/feed handling equipment or place near or inside ventilation duct openings. Do not use in edible product areas or food or feed processing plants, restaurants, or other areas where food or feed is commercially prepared or processed. Do not broadcast bait.

SELECTION OF TREATMENT AREAS: Determine areas where rats or mice 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 other locations where rodents or their signs have been seen. Protect bait from rain or snow. Remove as much alternative food as possible.

APPLICATION DIRECTIONS:

RATS: Apply 1 to 2 teaspoon amounts of bait per placement. Maintain an uninterrupted supply of fresh bait for at least 10 days.

MICE: Apply 1 teaspoon amount of bait at 8- to 12-foot intervals. Maintain an uninterrupted supply of fresh bait for at least 15 days.

RATS AND MICE: Replace contaminated or spoiled bait immediately. Collect and dispose of all dead animals and leftover bait properly. To prevent reinfestation, limit sources of rodent food, water and harborage as much as

possible. If reinfestation does occur, repeat treatment. Do not treat the same area with product at less than 30-day intervals.

STORAGE AND DISPOSAL

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

Non-Household Label

Pesticide Storage: Store only in original container in a cool, dry place inaccessible to children and pets. Keep containers closed and away from other chemicals.

Pesticide Disposal: Wastes resulting from the use of this product, and spoiled and unconsumed bait, may be disposed of on site or at an approved waste disposal facility.

Pesticide Container Disposal: Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. If recycling is not available then dispose of empty container in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

Manufacturer and Seller warrant that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Manufacturer, and Buyer and User assume the risk of any such use. MANUFACTURER AND SELLER MAKE NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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Manufacturer and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of Manufacturer.

For non-emergency (e.g., current product information)
call: 1-800-621-8829

Manufactured By:
HACCO, Inc.
110 Hopkins Drive
Randolph, WI 53956

Code (R.E.N.) NR.NO.

AFTER LABEL

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