

RESTRICTED USE PESTICIDE (18 pt.)
 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.

HOPKINS
 ZINC PHOSPHIDE PELLETS

ACCEPTED
 FEB 4 1987
 Federal Insecticide,
 Fungicide and Rodenticide Act
 and for the pesticide
 label under
 EPA Reg. No. 2393-521

For spot treatment in and around buildings, around barriers in
 orchards, vineyards and sugarcane fields and on rangelands and
 noncrop areas. For broadcasting by ground spreader or aircraft in
 orchards, sugarcane fields and on noncrop areas. For
 broadcasting by ground spreader in vineyards.

ACTIVE INGREDIENT:

Zinc Phosphide 98.0%

INERT INGREDIENTS: 2.0%
 Total 100.0%

EPA Reg. No. 2393-LEF

KEEP OUT OF REACH OF CHILDREN (12 pt.)
 WARNING (13 pt.)

AVISO (12 pt.)

PRECAUTION: AL DANGER! Si usted no lee ingles, no use este
 producto hasta que la etiqueta haya sido traducida completamente.
 PRECAUTION: AVO THE DANGER! If you cannot read English, do not
 use this product until the label has been fully explained to
 you.)

See side panels for additional precautionary statements and
 directions for use.

STATEMENT OF PRACTICAL TREATMENT

Any persons applying the phosphide products and experiencing
 signs and symptoms such as nausea, dizziness, pain, tightness in
 the chest, or weakness, should be given first aid measures
 immediately.

If swallowed, drink 1-2 glasses of water and induce vomiting by
 reaching the back of the throat with the finger. Avoid the use
 of oil oils. Have person lie down and keep warm. Do not induce
 vomiting or give anything by mouth to an unconscious person.
 If on skin or eyes, flush with plenty of water.

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PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING

Keep away from humans, domestic animals and pets. May be fatal or harmful if swallowed. Avoid skin contact. Wear rubber gloves when handling this product. Do not breathe dust. Avoid contamination of feed or foodstuffs. Avoid contact with acids. 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.

ENVIRONMENTAL HAZARDS

This product is toxic to wildlife and fish. Birds and other wildlife feeding on treated pellets 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 pellets. Keep out of lakes, streams, ponds and all aquatic system. Check for and dispose of excess or spoiled pellets and carcasses daily until the pellets are expanded or are recovered.

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 (*Oxyechus cupido attwateri*)

Do not use this product in the presently occupied range of the Attwater greater prairie chicken in the following Texas counties: Andrews, Borden, Breckenridge, Comal, Concho, Fort Bend, Frio, Garza, Goliad, Harris, Jasper, Matamoros, Midland, and Motril.

Yellow-bellied Sapsucker, Black-bellied Sapsucker, Spotted Sapsucker, and House Wren.

This product must not be used in the following areas except in tamper-proof bait boxes within 10 kilometers of Central Aquino, Lago Cidra, Centro, San German; 15 kilometers of La Esperanza; south of Highway 24 from city of Floaguera to the city of Perce and all of Mons Island, Puerto Rico.

Utah prairie dog (*Cynomys parvidens*)

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

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Do not use this product within 1/2 mile of salt marsh, rippled dunes and/or brackish water wetlands which are located to 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)

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

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.

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

STORAGE: Keep dry. Protect from direct contact with water or chemicals and fumes. Store in a well-ventilated place not accessible to children, pets, domestic animals or wild ones. Keep away from heat and open flame. Once opened, do not store bag for prolonged period. In case of puncture, use overlap bag and securely close.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinseate 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 National Pesticide Information Center at the nearest town listed below for guidance.

CONTAINER DISPOSAL: Completed containers and other equipment should be disposed of properly according to the instructions on the label provided by the manufacturer. Do not flush down the drain.

Do not enter treated areas without protective clothing until dusts have settled. 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. 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: 1. DPH-450 is a dust treated with the phosphide ion (this is a highly toxic ion) and is not safe to breathe. 2. Do not breathe dusts without proper dust protection and always wear goggles.

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clothing at a minimum should include clean long pants, long sleeved shirt, shoes and socks. For accidental exposures, see statement on first aid treatments.

Oral precautions must be given if there is 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.

AGRICULTURAL AREAS

LIMITATIONS: Pellets must not be applied on roads, near residential areas, or over water. Do not broadcast over growing crops other than sugarcane. Apply pellets on warm, clear days. Do not graze animals in treated areas.

GRAPE VINEYARDS

USE RESTRICTIONS: For control of meadow, prairie and pine voles (Microtus sp.), white-footed mice (Peromyscus sp.), meadow jumping mice (Zapus sp.). Do not make broadcast application of pellets over growing crops when the pellets may lodge on the plants. Do not apply to bare ground.

BROADCAST METHOD: Broadcast pellets evenly on the ground between the rows by machine or by hand using rubber discs. During hand broadcast operations, apply pellets at a rate of 10 pounds per acre. Do not apply to vines.

MACADAMIA NUT ORCHARDS

USE RESTRICTIONS: For control of Roof rats (R. rattus). Unshaken pellets must be removed from trees and ground prior to shaker harvest or mechanized harvest. Orchards may be treated up to 30 days prior to harvesting. Do not make broadcast application of pellets over growing crops when the pellets may lodge on the plants. Do not apply to bare ground.

BROADCAST METHOD: Broadcast the rate of five (5) pounds of pellets per acre. This product may be applied by machine or by hand using rubber discs, or by hand. When applying by hand, avoid lodging of pellets during broadcast operations. The pellets must be applied evenly between the rows of trees, and not on vines and bare ground. Do not apply more than 20 pounds of pellets per acre per treatment. The total application shall not exceed 20 pounds of pellets per acre per year.

BAIT METHOD: Place 1/2 to 1 spoon of pellets in bait stations at the base of each tree or in suitable forks in each tree (in bark log only).

NURSERY STOCK-ORNAMENTAL AND NON-BEARING FRUIT TREES

USE RESTRICTIONS: For control of meadow, prairie and pine voles (Microtus sp.) in ornamental and non-bearing nursery stock.

BROADCAST METHOD: Under infested nursery stock and on open ground until trees broadcast seed by cyclone seeders or by

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hand. Do not mix pellets with the heaviest vegetation cover. Do not broadcast on bare ground. Apply at a rate of 2-3 pounds per acre.

HARD WOOLLYS. Place the base of infested stock place to substantial quantities of pellets in and around, either on surface trails or at the mouth of holes leading to underground burrow systems. Do not allow pellets 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 vole (*Microtus* spp.) in orchards and groves. This product is to be applied during the dormant season. Appl. pellets after harvest while the orchard or grove is in a non-bearing phase. Do not apply to bare ground.

SPOT OR HOLE BAITING: Place 1 teaspoon of pellets in surface trails or at the mouth 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 pellets. Do not allow pellets to be exposed on bare ground. Use 2-3 lbs. pellets per acre.

DRY DRIP DRIFTING: Place 1 teaspoon of pellets at each tree and drip line, at least one per tree. These pellets should be established 2-3 months prior to the sailing period by placing rectangular (at least 15" x 15") asphalt shingles of fiberboard, stone or wood or metal at the tree drip line.

BROADCAST BAITING: This product may be applied broadcast, by aircraft, cyclone seeder, or by hand. When applying by hand wear rubber gloves during hand broadcast operations, throw pellets from shoulder and knees, cover along tree rows, rock outcrops, and range lines. Pellets should be applied at the rate of 2-3 pounds per acre.

RANGELAND

USE RESTRICTIONS: For control of meadow, prairie and pine vole (*Microtus* spp.) and brush rabbits (*Lepus* spp.) in rangeland and improved squirrel, black-tailed (*Sciurus* spp.), red-bellied (*Sciurus* spp.), *Sciurus* spp., and *Sciurus* spp. prairie dogs in Western United States (Arizona, Colorado, Kansas, Montana, Nebraska, New Mexico, North Dakota, Oklahoma, South Dakota, Texas, Utah, and Wyoming).

PRE-BAITING: To increase acceptance of treated pellets by prairie dogs and ground squirrels, prebait with one teaspoon of untreated oat groats per mound, one or two days prior to using toxic pellets.

BAITING: After all or most of the prebait has been eaten apply pellets at the same rate as prebait. (See continued.)

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SUGARCANE

66-11480: Apply five pounds of pellets per acre broadcast. Apply broadcast to all fields. By or under direct experiment or by field or laboratory reference. For the special broadcast application.

FOOD EATING: Place one teaspoon of amount of pellets at each location using a mechanical probe or similar device into the underground tunnel. After pellets are dropped into the probe hole, cover the hole with tape and turn all spilled pellets.

Hold 10–15 sec. (1000) Place one Lathropium (12 grams) of pellets (12) in the station on opposite side of mouth. Attempt to place pellet in feeding tube, note the response to lathropium.

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PRECAUTIONS: To increase acceptance of pellets by squirrels, protect with six pounds of untreated sorghum per acre. Sowing should be done 2-3 days prior to using for baiting.

BAITING: Broadcast pellets in a belt 1 foot wide along roads, ditches, using hand or ground driven drop spreading equipment. Do not exceed six pounds per acre. Do not treat areas that are during treatment period. When applying treat for 24 hours. Apply bait to the mid night of day between the base of the fence and adjacent properties. Do not treat the road and fence. Dispose of excess pellets 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 voles and pine voles (Microtus, sp.). Thirteen-lined ground squirrels (Spermophilus, tridecemlineatus). California ground squirrel (Spermophilus, beecheyi). Columbian ground squirrels (Spermophilus, columbianus) and Richardson's ground squirrels (Spermophilus, richardsoni). Do Not apply on roads, over water or where plants are grown for food or feed.

CAUTIONS: To increase acceptance of treated pellets by squirrels, protect with six pounds of untreated sorghum per acre. Sowing should be done 2-3 days prior to using for baiting. Bait should be applied once before pellets are applied. Do not broadcast pellets. Do not apply to bare ground. Do not place pellets in piles.

NOTICE OF WARRANTY

Seller warrants that this product conforms to the chemical description on the label and is reasonably safe for the purposes stated on the label when used in accordance with the directions and methods of application. The buyer acknowledges and agrees to release and defend the seller from all claims, damages, losses and expenses, including reasonable attorney's fees, arising out of or from the use or handling of this product. All such liability shall be assumed by the buyer. Seller makes no warranty or merchantability or fitness for any particular purpose, nor any other express or implied warranty except as stated above.

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