



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

November 30, 2023

Evelia Sosa, Assistant Chief  
Environmental and Risk Analysis Services  
USDA, APHIS  
Unit 149  
4700 River Road  
Riverdale, MD 20737

**Subject:** Label Amendment – Fast Track Amendment Revising the Product Label for Zinc Phosphide on Wheat  
Product Name: Zinc Phosphide on Wheat  
EPA Registration Number: 56228-3  
Application Date: 12/1/21  
Case Number: 480196

Dear Evelia Sosa,

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing 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 copy of the final printed labeling before you release the 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.

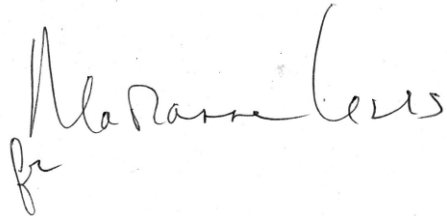
Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements 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 Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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

If you have any questions, please contact Cassandra Luna at (202)-566-1237 or at [Luna.Cassandra@epa.gov](mailto:Luna.Cassandra@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Venus Eagle". The signature is written in a cursive style with a large initial "V".

Venus Eagle, Product Manager 01  
Invertebrate & Vertebrate Branch 3  
Registration Division  
Office of Pesticide Programs

# RESTRICTED USE PESTICIDE

## DUE TO HAZARDS TO NONTARGET 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 ON WHEAT

For use in dormant pome and stone fruit orchards, non-bearing nursery stock, conifer/Christmas tree groves, ornamentals and nonbearing fruit trees, rangelands and reforestation seeding areas, vineyards, airports, highway medians, turf farms, nonresidential lawns, golf courses, parks, and alfalfa, barley, potatoes, sugar beets and beans (dry) to control voles and mice.

#### ACTIVE INGREDIENT

Zinc Phosphide..... 1.82%

OTHER INGREDIENTS ..... 98.18%

TOTAL..... 100.00%

## KEEP OUT OF REACH OF CHILDREN CAUTION

### FIRST AID

**HAVE LABEL WITH YOU WHEN SEEKING TREATMENT ADVICE.** If you experience signs and symptoms such as nausea, abdominal pain, tightness in chest, or weakness, see a doctor immediately. Have the product container or label with you when calling a poison control center or doctor or going for treatment. If you need immediate medical attention call the Poison Control Center at 1-800-222-1222 or a doctor. For non-emergency information concerning this product, call the National Pesticide Information Center at 1-800-858-7378.

<b>If swallowed:</b>	<ul style="list-style-type: none"><li>• Immediately call 911, a poison control center, or doctor for treatment advice or transport the person to the nearest hospital.</li><li>• <b>DO NOT DRINK WATER.</b></li><li>• Do not give any liquid to the patient.</li><li>• Do not administer anything by mouth.</li><li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
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<b>If on skin or clothing:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor immediately for treatment advice.</li></ul>
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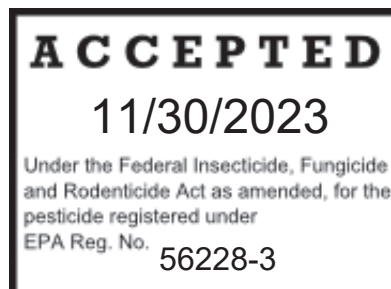
<b>If inhaled:</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor immediately for treatment advice.</li></ul>
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<b>If in eyes:</b>	<ul style="list-style-type: none"><li>• Hold eyes open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor immediately for treatment advice.</li></ul>
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**NOTE TO PHYSICIAN:** Contains the phosphine-producing active ingredient, zinc phosphide. Probable mucosal damage may contraindicate the use of gastric lavage. 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.

**TREATMENT FOR PET POISONING:** If animal eats bait, call a veterinarian at once.

**NOTE TO VETERINARIAN:** For animals ingesting bait and/or showing poisoning signs, induce vomiting by using hydrogen peroxide.



United States Department of Agriculture  
Animal and Plant Health Inspection Service  
4700 River Road, Unit 149  
Riverdale, MD 20737  
EPA Est. 56228-ID-01

Net Contents: \_\_\_\_\_

Batch Code: \_\_\_\_\_

# PRECAUTIONARY STATEMENTS

## HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

All handlers, including loaders and applicators, must wear:

- Long-sleeved shirt and long pants;
- Shoes plus socks; and
- Chemical resistant gloves made out of: barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, natural rubber ≥14 mils, polyethylene, polyvinyl chloride ≥14 mils, or viton ≥14 mils.

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

- A minimum of a NIOSH-approved particulate filtering facepiece respirator with any R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any R or P filter; OR a NIOSH-approved powered air purifying respirator with an HE filter; and
- Protective eyewear.

Any person who retrieves carcasses or unused bait following application of this product must wear chemical resistant gloves.

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### USER SAFETY RECOMMENDATIONS

Users should:

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 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.

### PHYSICAL OR CHEMICAL HAZARDS

Avoid contact with acids.

### ENVIRONMENTAL HAZARDS

This product is extremely toxic to birds, fish and other wildlife. Wildlife feeding on treated bait may be killed. Dogs, cats, and other predatory and scavenging mammals and birds might be poisoned if they feed upon animals that have eaten this bait. **Do not** apply 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 is likely to occur. **Do not** contaminate water by cleaning of equipment or disposal of wastes.

### 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.
- **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 in Texas: Austin, Colorado, and Goliad.
- **Yellow-Shouldered Blackbird (*Agelaius xanthomus*) and Puerto Rican Plain Pigeon (*Columba inornata wetmorei*):** Do not use in the following critical habitat in Puerto Rico except in tamper-proof bait boxes: 1) within 6.3 miles (10 kilometers) of Central Aquirre, Lago Cidra, Ceiba, San German; and 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 habitat of the Utah Prairie Dog (Utah).
- **Salt Marsh Harvest Mouse (*Reithrodontomys raviventris*):** Do not use this product 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).
- **Northern Idaho Ground Squirrel (*Spermophilus brunneus brunneus*):** Do not use this product within 0.5 miles of habitat of the Northern Idaho Ground Squirrel in Adams, Gem, Idaho, Valley, and Washington counties, Idaho.
- **Oldfield Mouse (*Peromyscus polionotus*), threatened or endangered subspecies:** Do not use this product in areas of Alabama and Florida that are occupied by threatened or endangered subspecies of the oldfield mouse.

## DIRECTIONS FOR USE

**It is a violation of Federal law to use this product in a manner inconsistent with its labeling.** 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 areas during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**READ THIS LABEL:** Read entire label and follow all use directions, use precautions, and use restrictions that pertain to the bait application to be made.

### USE RESTRICTIONS

- Keep away from humans, domestic animals, and pets.
- Do not apply this product by any method not specified on this label.
- Do not apply on roads, near residential areas, or over water.
- Do not broadcast over crops unless use directions specifically permit aerial application.
- Do not apply by air when wind velocity exceeds 10 mph.
- Do not apply this product in areas inhabited by livestock.
- Do not graze livestock on treated areas.
- When possible, do not apply when precipitation is expected.
- Do not contaminate feed or foodstuffs.
- Do not reuse utensils, spoons or measuring devices for mixing, holding or transferring food or feed.

### APPLICATION DIRECTIONS

**PREBAITING (RECOMMENDED, NOT REQUIRED FOR ALL USES UNLESS OTHERWISE SPECIFIED):**

Prebaiting with untreated wheat may improve acceptance of this zinc phosphide bait. Prebait should be applied, at rates appropriate for treated bait, 2 or 3 days before zinc phosphide bait is used.

Application directions for this label are contained in Table 1 on pages 4-7: "**Zinc Phosphide on Wheat Use Sites, Use Restrictions, Target Species, and Application Directions.**"

If reinfestation does occur, repeat treatment. 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.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store only in original container, in a cool, dry place inaccessible to children, pets and domestic animals. Keep container closed and away from other chemicals.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spilled bait, 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. Never place unused product down any indoor or outdoor drain.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. If empty: offer for recycling, if available. If partially filled: completely empty the bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue from bag into application equipment. If container is not to be recycled, then dispose of bags in a sanitary landfill or by incineration if allowed by State and local authorities.

**SPILLED AND EXCESS BAIT:** Wearing chemical resistant 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.

# DIRECTIONS FOR USE, continued

**Table 1: Zinc Phosphide on Wheat Use Sites, Use Restrictions, Target Species, and Application Directions**

Use Site	Use Restrictions	Target Species	Application Directions
<p><b>Fruit and nut tree orchards (dormant)</b> - pome fruit (apple, pear) and stone fruit (peach, cherry, apricot, plum, prune, nectarine)</p>	<p>Apply when no rain or snow is expected for three consecutive days.</p> <p>Apply only after fall harvest (including drops), and before new spring growth.</p>	<p>Meadow voles (<i>Microtus pennsylvanicus</i>)                      Prairie voles (<i>M. ochrogaster</i>)                      Pine voles (<i>M. pinetorum</i>)                      Long-tailed voles (<i>M. longicaudus</i>)                      California voles (<i>M. californicus</i>)                      Oregon voles (<i>M. oregoni</i>)                      Mountain voles (<i>M. montanus</i>)                      Townsend's voles (<i>M. townsendii</i>)                      White-footed mice (<i>Peromyscus leucopus</i>)                      Deer mice (<i>P. maniculatus</i>)</p>	<p><b>PREBAITING (Recommended, not required):</b> To increase acceptance of treated baits, apply 1 teaspoon (4 grams) of untreated wheat per tree 1 or 2 days prior to scheduled application of this product.</p> <p><b>BAITING:</b>  <b>Hand Baiting:</b> Place 1 teaspoon (4 grams) of bait at 2-4 locations near bases of each infested tree, either on surface trails or at mouth of holes leading to underground burrow systems. Do not allow bait to be exposed on bare ground. Do not disturb the runway system. Apply at a rate up to 5 lbs/A (0.09 lb ai/A).</p> <p><b>Trailbuilder Baiting:</b> 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. Apply at a rate up to 3 lbs/A (0.06 lb ai/A).</p> <p><b>Ground Broadcast Baiting:</b> Broadcast evenly by cyclone seeder or by hand. Concentrate in areas with heaviest vegetative cover. Do not broadcast on bare ground. Apply at a rate up to 10 lbs/A (0.18 lb ai/A).</p> <p><b>Aerial Broadcast Baiting:</b> Do not broadcast on bare ground. Apply at a rate up to 10 lbs/A (0.18 lb ai/A).</p> <p><b>COLLECTION/ DISPOSAL PROCEDURES:</b> Wearing chemical resistant gloves, collect and dispose of the resulting dead animals. Wearing chemical resistant gloves, collect and dispose of any spilled or leftover bait in accordance with the Pesticide Disposal Instructions.</p>

# DIRECTIONS FOR USE, continued

Table 1: Zinc Phosphide on Wheat Use Sites, Use Restrictions, Target Species, and Application Directions

Use Site	Use Restrictions	Target Species	Application Directions
<p><b>Non-bearing nursery stock</b></p> <p><b>Conifer/Christmas trees</b></p> <p><b>Ornamental and nonbearing fruit trees</b></p> <p><b>Tree plantations</b></p> <p><b>Windbreaks</b></p>	<p>Apply when no rain or snow is expected for three consecutive days.</p>	<p>Meadow voles (<i>Microtus pennsylvanicus</i>)</p> <p>Prairie voles (<i>M. ochrogaster</i>)</p> <p>Pine voles (<i>M. pinetorum</i>)</p> <p>Long-tailed voles (<i>M. longicaudus</i>)</p> <p>California voles (<i>M. californicus</i>)</p> <p>Oregon voles (<i>M. oregoni</i>)</p> <p>Mountain voles (<i>M. montanus</i>)</p> <p>Townsend's voles (<i>M. townsendii</i>)</p> <p>White-footed mice (<i>Peromyscus leucopus</i>)</p> <p>Deer mice (<i>P. maniculatus</i>)</p>	<p><b>PREBAITING (Recommended, not required):</b> To increase acceptance of treated baits, apply 1 teaspoon (4 grams) of untreated wheat per tree 1 or 2 days prior to scheduled application of this product.</p> <p><b>BAITING:</b>  <b>Hand Baiting:</b> Place 1 teaspoon (4 grams) of 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. Do not allow bait to be exposed on bare ground. Do not disturb the runway system. Apply at the rate of 1 teaspoon (4 grams) per placement, a rate up to 5 lbs/A (0.09 lb ai/A).</p> <p><b>Trailbuilder Baiting:</b> 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. Apply at a rate up to 3 lbs/A (0.06 lb ai/A).</p> <p><b>Ground Broadcast Baiting:</b> Broadcast evenly by cyclone seeder or by hand. Concentrate in areas with heaviest vegetative cover. Do not broadcast on bare ground. Apply at a rate up to 10 lbs/A (0.18 lb ai/A).</p> <p><b>Aerial Broadcast Baiting:</b> Do not broadcast on bare ground. Apply at a rate up to 10 lbs/A (0.18 lb ai/A).</p> <p><b>COLLECTION/ DISPOSAL PROCEDURES:</b> Wearing chemical resistant gloves, collect and dispose of the resulting dead animals. Wearing chemical resistant gloves, collect and dispose of any spilled or leftover bait in accordance with the Pesticide Disposal Instructions.</p>
<p><b>Grape vineyards</b></p>	<p>Do not apply by air.</p>	<p>Meadow voles (<i>Microtus pennsylvanicus</i>)</p> <p>Prairie voles (<i>M. ochrogaster</i>)</p> <p>Pine voles (<i>M. pinetorum</i>)</p> <p>Long-tailed voles (<i>M. longicaudus</i>)</p> <p>California voles (<i>M. californicus</i>)</p> <p>White-footed mice (<i>Peromyscus leucopus</i>)</p> <p>Deer mice (<i>P. maniculatus</i>)</p> <p>Meadow jumping mice (<i>Zapus hudsonius</i>)</p>	<p><b>BAITING:</b>  <b>Hand Baiting:</b> Place 1 teaspoon (4 grams) of 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. Do not allow bait to be exposed on bare ground. Do not disturb the runway system. Apply at the rate of 1 teaspoon (4 grams) per placement, a rate up to 5 lbs/A (0.09 lb ai/A).</p> <p><b>Trailbuilder Baiting:</b> Set equipment to drop one teaspoon quantity 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. Apply at a rate up to 3 lbs/A (0.06 lb ai/A).</p> <p><b>Ground Broadcast Baiting:</b> Broadcast evenly by cyclone seeder or by hand. Concentrate in areas with heaviest vegetative cover. Do not broadcast on bare ground. Apply at a rate up to 10 lbs/A (0.18 lb ai/A).</p> <p><b>COLLECTION/ DISPOSAL PROCEDURES:</b> Wearing chemical resistant gloves, collect and dispose of the resulting dead animals. Wearing chemical resistant gloves, collect and dispose of any spilled or leftover bait in accordance with the Pesticide Disposal Instructions.</p>

# DIRECTIONS FOR USE, continued

Table 1: Zinc Phosphide on Wheat Use Sites, Use Restrictions, Target Species, and Application Directions

Use Site	Use Restrictions	Target Species	Application Directions
<p><b>Rangeland</b> Reforestation areas</p>	<p>Apply only to areas with less than 50% ground cover.</p>	<p>Meadow voles (<i>Microtus pennsylvanicus</i>)                      Prairie voles (<i>M. ochrogaster</i>)                      Pine voles (<i>M. pinetorum</i>)                      Long-tailed voles (<i>M. longicaudus</i>)                      California voles (<i>M. californicus</i>)                      White-footed mice (<i>Peromyscus leucopus</i>)                      Deer mice (<i>P. maniculatus</i>)</p>	<p><b>BAITING:</b>  <b>Hand Baiting:</b> Apply bait at the rate of 1 teaspoon (4 grams), either on surface trails or at mouth of holes leading to underground burrow systems. Do not allow bait to be exposed on bare ground. Do not disturb the runway system. Apply at a rate up to 3 lbs/A (0.06 lb ai/A).  <b>Ground Broadcast Baiting:</b> Broadcast evenly in 20 foot swaths by cyclone seeder or by hand. Concentrate in areas with heaviest vegetative cover. Do not broadcast on bare ground. Apply at a rate up to 10 lbs of bait /A (0.18 lb ai/A) in the fall before the seeds fall or seeding efforts. Treatment may be necessary in spring to protect emergent seedlings.  <b>Trailbuilder Baiting:</b> Set equipment to drop 1 teaspoon quantity 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. Apply at a rate up to 3 lbs/A (0.06 lb ai/A).  <b>Aerial Broadcast Baiting:</b> For aerial application, broadcast bait at a rate up to 10 lbs of bait per treated acre (0.18 lb ai/A).  <b>COLLECTION/ DISPOSAL PROCEDURES:</b> Wearing chemical resistant gloves, collect and dispose of the resulting dead animals. Wearing chemical resistant gloves, collect and dispose of any spilled or leftover bait in accordance with the Pesticide Disposal Instructions.</p>
<p><b>Alfalfa</b> Montana, California, Idaho, Oregon, Utah and Washington, only</p>	<p>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.</p>	<p>Meadow voles (<i>Microtus pennsylvanicus</i>)                      Prairie voles (<i>M. ochrogaster</i>)                      Pine voles (<i>M. pinetorum</i>)                      Long-tailed voles (<i>M. longicaudus</i>)                      California voles (<i>M. californicus</i>)                      Oregon voles (<i>M. oregoni</i>)                      Mountain voles (<i>M. montanus</i>)                      Townsend's voles (<i>M. townsendii</i>)                      White-footed mice (<i>Peromyscus leucopus</i>)                      Deer mice (<i>P. maniculatus</i>)</p>	<p><b>BAITING:</b>  <b>Broadcast Baiting:</b> This product may be broadcast by air or ground-driven dispensing devices. Apply at a rate up to 10 lbs/A (0.2 lb ai/A). A second application may be made after 10 days. Do not apply in piles or permit piles to be formed by equipment. Apply bait at a maximum rate of 20 lbs/A (0.36 lb ai/A) per year.  <b>COLLECTION/ DISPOSAL PROCEDURES:</b> Wearing chemical resistant gloves, collect and dispose of the resulting dead animals. Wearing chemical resistant gloves, collect and dispose of any spilled or leftover bait in accordance with the Pesticide Disposal Instructions.</p>
<p><b>Barley</b> Montana, Idaho, Oregon and Washington, only</p>	<p>Do not apply this product to barley within 50 days of harvest.</p>	<p>Meadow voles (<i>Microtus pennsylvanicus</i>)                      Prairie voles (<i>M. ochrogaster</i>)                      Pine voles (<i>M. pinetorum</i>)                      Long-tailed voles (<i>M. longicaudus</i>)                      California voles (<i>M. californicus</i>)                      Oregon voles (<i>M. oregoni</i>)                      Mountain voles (<i>M. montanus</i>)                      Townsend's voles (<i>M. townsendii</i>)                      White-footed mice (<i>Peromyscus leucopus</i>)                      Deer mice (<i>P. maniculatus</i>)</p>	<p><b>BAITING:</b>  <b>Broadcast Baiting:</b> This product may be broadcast by air or ground-driven dispensing devices. Apply bait at a rate up to 6 lbs/A (0.11 lb ai/A). A second application may be made after 25 days. Apply bait at a maximum rate of 12 lbs/A (0.22 lb ai/A) per year. All applications must be made prior to the boot stage.  <b>COLLECTION/ DISPOSAL PROCEDURES:</b> Wearing chemical resistant gloves, collect and dispose of the resulting dead animals. Wearing chemical resistant gloves, collect and dispose of any spilled or leftover bait in accordance with the Pesticide Disposal Instructions.</p>



# DIRECTIONS FOR USE, continued

**Table 1: Zinc Phosphide on Wheat Use Sites, Use Restrictions, Target Species, and Application Directions**

Use Site	Use Restrictions	Target Species	Application Directions
<p><b>Potatoes</b> Idaho, Oregon and Washington, only</p>	<p>Do not apply this product to potatoes within 30 days of harvest.</p>	<p>Meadow voles (<i>Microtus pennsylvanicus</i>) Prairie voles (<i>M. ochrogaster</i>) Pine voles (<i>M. pinetorum</i>) Long-tailed voles (<i>M. longicaudus</i>) California voles (<i>M. californicus</i>) Oregon voles (<i>M. oregoni</i>) Mountain voles (<i>M. montanus</i>) Townsend's voles (<i>M. townsendii</i>) White-footed mice (<i>Peromyscus leucopus</i>) Deer mice (<i>P. maniculatus</i>)</p>	<p><b>BAITING:</b> <b>Broadcast Baiting:</b> This product may be broadcast by air or ground-driven dispensing devices. Apply bait once at a rate up to 10 lbs/A (0.18 lb ai/A), or make two separate applications at a rate of up to 5 lbs/A (0.09 lb ai/A). Apply bait at a maximum rate is of 10 lbs/A (0.18 lb ai/A) per year. <b>COLLECTION/ DISPOSAL PROCEDURES:</b> Wearing chemical resistant gloves, collect and dispose of the resulting dead animals. Wearing chemical resistant gloves, collect and dispose of any spilled or leftover bait in accordance with the Pesticide Disposal Instructions.</p>
<p><b>Sugar beets</b> Idaho, Oregon and Washington, only</p>	<p>Do not apply this product to sugar beets within 30 days of harvest.</p>	<p>Meadow voles (<i>Microtus pennsylvanicus</i>) Prairie voles (<i>M. ochrogaster</i>) Pine voles (<i>M. pinetorum</i>) Long-tailed voles (<i>M. longicaudus</i>) California voles (<i>M. californicus</i>) Oregon voles (<i>M. oregoni</i>) Mountain voles (<i>M. montanus</i>) Townsend's voles (<i>M. townsendii</i>) White-footed mice (<i>Peromyscus leucopus</i>) Deer mice (<i>P. maniculatus</i>)</p>	<p><b>BAITING:</b> <b>Broadcast Baiting:</b> Apply bait by ground-driven dispensing devices at rates up to 10 lbs/A (0.18 lb ai/A) at planting. A second application may be made at the same rate. Apply bait at a maximum rate is of 20 lbs/A (0.36 lb ai/A) per year. <b>Aerial Broadcast Baiting:</b> Apply bait by air at rates up to 10 lbs/A (0.18 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 (0.36 lb ai/A) per year. <b>COLLECTION/ DISPOSAL PROCEDURES:</b> Wearing chemical resistant gloves, collect and dispose of the resulting dead animals. Wearing chemical resistant gloves, collect and dispose of any spilled or leftover bait in accordance with the Pesticide Disposal Instructions.</p>
<p><b>Wheat</b> Montana, Idaho, Oregon and Washington, only</p>	<p>Do not apply this product to wheat within 50 days of harvest.</p>	<p>Meadow voles (<i>Microtus pennsylvanicus</i>) Prairie voles (<i>M. ochrogaster</i>) Pine voles (<i>M. pinetorum</i>) Long-tailed voles (<i>M. longicaudus</i>) California voles (<i>M. californicus</i>) Oregon voles (<i>M. oregoni</i>) Mountain voles (<i>M. montanus</i>) Townsend's voles (<i>M. townsendii</i>) White-footed mice (<i>Peromyscus leucopus</i>) Deer mice (<i>P. maniculatus</i>)</p>	<p><b>BAITING:</b> <b>Broadcast Baiting:</b> Apply bait by ground-driven dispensing devices at a rate of up to 6 lbs/A (0.11 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 (0.22 lb ai/A) per year. <b>Aerial Broadcast Baiting:</b> Apply bait by air at a rate of up to 6 lbs/A (0.11 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 (0.22 lb ai/A) per year. <b>COLLECTION/ DISPOSAL PROCEDURES:</b> Wearing chemical resistant gloves, collect and dispose of the resulting dead animals. Wearing chemical resistant gloves, collect and dispose of any spilled or leftover bait in accordance with the Pesticide Disposal Instructions.</p>
<p><b>Beans (dry)</b> Idaho, Oregon, and Washington, only</p>	<p>Do not apply by air. Do not apply this product to dry beans within 30 days of harvest.</p>	<p>Meadow voles (<i>Microtus pennsylvanicus</i>) Prairie voles (<i>M. ochrogaster</i>) Pine voles (<i>M. pinetorum</i>) Long-tailed voles (<i>M. longicaudus</i>) White-footed mice (<i>Peromyscus leucopus</i>) Deer mice (<i>P. maniculatus</i>)</p>	<p><b>BAITING:</b> <b>Broadcast Baiting:</b> This product may be broadcast by hand or ground-driven dispensing devices at a rate up to 6 lbs/A (0.11 lb ai/A). No more than one application per growing season is permitted. <b>COLLECTION/ DISPOSAL PROCEDURES:</b> Wearing chemical resistant gloves, collect and dispose of the resulting dead animals. Wearing chemical resistant gloves, collect and dispose of any spilled or leftover bait in accordance with the Pesticide Disposal Instructions.</p>

# DIRECTIONS FOR USE, continued

Table 1: Zinc Phosphide on Wheat Use Sites, Use Restrictions, Target Species, and Application Directions

Use Site	Use Restrictions	Target Species	Application Directions
<p><b>Nonresidential lawns</b></p> <p><b>Golf courses</b></p> <p><b>Parks</b></p>		<p>Meadow voles (<i>Microtus pennsylvanicus</i>)</p> <p>Prairie voles (<i>M. ochrogaster</i>)</p> <p>Pine voles (<i>M. pinetorum</i>)</p> <p>Long-tailed voles (<i>M. longicaudus</i>)</p> <p>California voles (<i>M. californicus</i>)</p> <p>Oregon voles (<i>M. oregoni</i>)</p> <p>Mountain voles (<i>M. montanus</i>)</p> <p>Townsend's voles (<i>M. townsendii</i>)</p> <p>White-footed mice (<i>Peromyscus leucopus</i>)</p> <p>Deer mice (<i>P. maniculatus</i>)</p>	<p><b>BAITING:</b></p> <p><b>Hand Baiting:</b> Place bait either on surface trails or at mouth of holes leading to underground burrow systems. Do not allow bait to be exposed on bare ground. Do not disturb the runway system. Apply at the rate of 1 teaspoon (4 grams) per placement, up to 5 lbs/A (0.09 lb ai/A).</p> <p><b>Bait Stations:</b> Place bait in tamper-resistant bait stations if children, pets, or nontarget mammals or birds may access the bait.</p> <p><b>COLLECTION/ DISPOSAL PROCEDURES:</b> Wearing chemical resistant gloves, collect and dispose of the resulting dead animals. Wearing chemical resistant gloves, collect and dispose of any spilled or leftover bait in accordance with the Pesticide Disposal Instructions.</p>
<p><b>Airports (runways and grasses)</b></p> <p><b>Highway medians</b></p> <p><b>Turf</b></p>	<p>Do not apply bait to bare ground.</p> <p>Do not apply bait by air.</p>	<p>Meadow voles (<i>Microtus pennsylvanicus</i>)</p> <p>Prairie voles (<i>M. ochrogaster</i>)</p> <p>Pine voles (<i>M. pinetorum</i>)</p> <p>Long-tailed voles (<i>M. longicaudus</i>)</p> <p>California voles (<i>M. californicus</i>)</p> <p>Oregon voles (<i>M. oregoni</i>)</p> <p>Mountain voles (<i>M. montanus</i>)</p> <p>Townsend's voles (<i>M. townsendii</i>)</p> <p>White-footed mice (<i>Peromyscus leucopus</i>)</p> <p>Deer mice (<i>P. maniculatus</i>)</p>	<p><b>BAITING:</b></p> <p><b>Hand Baiting:</b> Place 1 teaspoon (4 grams) of bait in surface runways or at the mouths of holes leading to underground burrow systems. 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. Apply bait at a rate up to 5 lbs/A (0.09 lb ai/A).</p> <p><b>Trailbuilder Baiting:</b> 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).</p> <p><b>Ground Broadcast Baiting:</b> Broadcast bait evenly by hand, by cyclone seeder, or by mechanical spreader mounted on a tractor or 4-wheel drive all-terrain vehicle (ATV). Apply treated bait at a rate up to 10 lbs/A (0.18 lb ai/A).</p> <p><b>COLLECTION/ DISPOSAL PROCEDURES:</b> Wearing chemical resistant gloves, collect and dispose of the resulting dead animals. Wearing chemical resistant gloves, collect and dispose of any spilled or leftover bait in accordance with the Pesticide Disposal Instructions.</p>

## PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

## CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing dust.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

All handlers, including loaders and applicators, must wear:

- Long-sleeved shirt and long pants;
- Shoes plus socks; and
- Chemical resistant gloves made out of: barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, natural rubber ≥14 mils, polyethylene, polyvinyl chloride ≥14 mils, or viton ≥14 mils.

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

- A minimum of a NIOSH-approved particulate filtering facepiece respirator with any R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters; and
- Protective eyewear.

Any person who retrieves carcasses or unused bait following application of this product must wear chemical resistant gloves.

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

## RESTRICTED USE PESTICIDE DUE TO HAZARDS TO NONTARGET 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 ON WHEAT

*For use in dormant pome and stone fruit orchards, non-bearing nursery stock, conifer/Christmas tree groves, ornamentals and nonbearing fruit trees, rangelands and reforestation seeding areas, vineyards, airports, highway medians, turf farms, nonresidential lawns, golf courses, parks, and alfalfa, barley, potatoes, sugar beets and beans (dry) to control voles and mice.*

#### Active Ingredient:

Zinc Phosphide.....1.82%

Other Ingredients: .....98.18%

TOTAL:.....100.00%

## KEEP OUT OF REACH OF CHILDREN CAUTION

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. 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 areas during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store only in original container, in a cool, dry place inaccessible to children, pets, and domestic animals. Keep container closed and away from other chemicals.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spilled bait, 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 Hazardous Waste representative at the nearest EPA Regional Office for guidance. Never place unused product down any indoor or outdoor drain.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. If empty: offer for recycling, if available. If partly filled: completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue from bag into application equipment. If container is not to be recycled, then dispose of bags in a sanitary landfill or by incineration if allowed by State and local authorities.

**SPILLED AND EXCESS BAIT:** Wearing chemical resistant 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.

### USER SAFETY RECOMMENDATIONS

Users should:

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 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.

### PHYSICAL OR CHEMICAL HAZARDS

Avoid contact with acids.

### ENVIRONMENTAL HAZARDS

This product is extremely toxic to birds, fish and other wildlife. Wildlife feeding on treated bait may be killed. Dogs, cats, and other predatory and scavenging mammals and birds might be poisoned if they feed upon animals that have eaten this bait. Do not apply 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 is likely to occur. Do not contaminate water by cleaning of equipment or disposal of wastes.

### 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.

See the full product label for complete **ENDANGERED SPECIES CONSIDERATIONS**.

### UNITED STATES DEPARTMENT OF AGRICULTURE

**Animal and Plant Health Inspection Service**  
4700 River Road, Unit 149  
Riverdale, MD 20737-1237  
EPA Est. No. 56228-ID-1  
EPA Reg. No. 56228-3

Net Contents: \_\_\_\_\_ Batch Code: \_\_\_\_\_

Container Label  
Label ID 56228-3-November-30-2021  
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