

12455-17

4-4-2008

4/12



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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Dr. John Lublinkhof, Ph.D.
Bell Laboratories, Inc.
3699 Kinsman Blvd.
Madison, WI 53704

APR 4 2008

SUBJECT: Application for Pesticide Notification (PRN 98-10)
Request General Label Change
EPA Reg. No. 12455-17
Application Dated February 27, 2008

Dear Registrant:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 02/27/08 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Owen F. Beeder of my staff at 703-308-8899.

Sincerely,

A handwritten signature in cursive script, appearing to read "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs



United States
Environmental Protection Agency
 Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 12455-17	2. EPA Product Manager Linda Arrington	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) ZP Rodent Bait AG	PM#	
5. Name and Address of Applicant (Include ZIP Code) Bell Laboratories, Inc., 3699 Kinsman Blvd. Madison, WI 53704 <input type="checkbox"/> Check if this is a new address	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 _____	

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: Use additional page(s) if necessary. (For section I and Section II.)

Notification: Use of Symbols and Graphics. As per PR Notice 98-10, the addition of pictures to a label can be done by notification. Attached is a copy of the pictures and accompanying text to be added to the front panel of the ZP Rodent Bait AG label (EPA Reg. No. 12455-17). Also see attached page for notification statement.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
				<input checked="" type="checkbox"/> Glass	<input type="checkbox"/> Paper
				Other (Specify) _____	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 50 lb.		5. Location of Label Directions <input checked="" type="checkbox"/> Front label on container	
6. Manner in Which Label is Affixed to Product			<input checked="" type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled	<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name John Lublinkhof	Title Director of Regulatory Affairs	Telephone No. (Include Area Code) 608-241-0202
<p align="center">Certification</p> <p>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 of both under applicable law.</p>		6. Date Application Received (Stamped)
2. Signature 	3. Title Director of Regulatory Affairs	
4. Typed Name John Lublinkhof	5. Date February 27, 2008	

4/12

Continuation of Section II, EPA Form 8570-1

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, 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.

FOR CONTROL OF



Gophers



Voles



**Ground
Squirrels**

**Prairie Dogs, Rats, Mice, Meadow Mice,
Deer Mice, & Kangaroo Rats**

4/12



United States
Environmental Protection Agency
 Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 12455-17	2. EPA Product Manager Linda Arrington	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) ZP Rodent Bait AG	PM#	
5. Name and Address of Applicant (Include ZIP Code) Bell Laboratories, Inc., 3699 Kinsman Blvd. Madison, WI 53704 <input type="checkbox"/> Check if this is a new address	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 _____	

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: Use additional page(s) if necessary. (For section I and Section II.)

Notification: Use of Symbols and Graphics. As per PR Notice 98-10, the addition of pictures to a label can be done by notification. Attached is a copy of the pictures and accompanying text to be added to the front panel of the ZP Rodent Bait AG label (EPA Reg. No. 12455-17). Also see attached page for notification statement.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If "Yes" Unit Packaging wgt. No. per container		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input checked="" type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Package wgt. No. per container			
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 50 lb.		5. Location of Label Directions <input checked="" type="checkbox"/> Front label on container	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input checked="" type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name John Lublinkhof	Title Director of Regulatory Affairs	Telephone No. (Include Area Code) 608-241-0202
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 Director of Regulatory Affairs	
4. Typed Name John Lublinkhof	5. Date February 27, 2008	

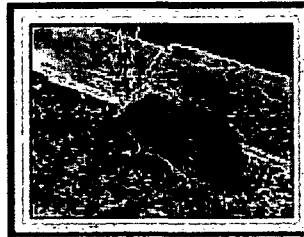
Continuation of Section II, EPA Form 8570-1

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, 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.

FOR CONTROL OF



Gophers



Voles



**Ground
Squirrels**

**Prairie Dogs, Rats, Mice, Meadow Mice,
Deer Mice, & Kangaroo Rats**

9/12

ENVIRONMENTAL HAZARDS

This product is toxic to wildlife and fish. Birds and other wildlife feeding on treated bait may be killed. Do not apply where runoff is likely to occur. 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.

ENDANGERED SPECIES CONSIDERATIONS

Whooping Crane (*Grus americana*). Do not use this product during the period 30 days prior to arrival and 30 days after the whooping crane leaves known crane habitat.

Pygmy rabbit (*Brachylagus idahoensis*). Do not use this product within one mile of alfalfa fields.

UTAH: Utah Prairie Dog (*Cynomys parvidens*). Do not use this product in the range of the Utah Prairie Dog.

CALIFORNIA: 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 near or adjacent to San Pablo Bay and San Francisco Bay. Do not use this product within 1/2 mile of salt marsh vegetation and/or brackish water wetlands which are located in the Sacramento River below or adjacent to the confluence of the Sacramento River and the San Joaquin River.

Morro Bay Kangaroo Rats (*Dipodomys hurmani morroensis*). Do not use this product within 2 1/2 miles of Bay Wood Park which is located on Morro Bay.

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 a current map.

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

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

Fresno Kangaroo Rat (*Dipodomys nitratoides exilis*). Follow the Interim Measures for Protecting Endangered Species in the California Endangered Species Bulletin for the following California counties: Fresno, Kings, Madera and Merced.

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

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

TEXAS: Attwater's greater prairie chicken (*Tympanuchus cupido attwateri*). Do not use this product in the present occupied range of the Attwater's prairie chicken in the following Texas counties: Arkansas, Austin, Brazoria, Colorado, DeWitt, Fort Bend, Galveston, Goliad, Harris, Refugio, Victoria, Waller and Wharton.

PUERTO RICO: Yellow-shouldered Black Bird (*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 Aquirre, 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 Mona Island).

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.

RESTRICTED USE PESTICIDE

DUE TO HAZARDS TO NONTARGET SPECIES

For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's Certification.

**ZP[®]
RODENT BAIT
AG**

FOR CONTROL OF GROUND SQUIRRELS, PRAIRIE DOGS, RATS, VOLES, MICE, MEADOW MICE, DEER MICE, KANGAROO RATS, AND GOPHERS.

ACTIVE INGREDIENT:
Zinc Phosphide;2%
INERT INGREDIENTS98%
TOTAL 100%

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID

Have label with you when seeking treatment advice, including 1-877-854-2494.

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:

- Call a poison control center or doctor immediately for treatment advice or transport patient to the nearest hospital.
- Do not drink water.
- Do not administer anything by mouth or induce vomiting unless told to do so by the poison control center or doctor.

IF ON SKIN OR CLOTHING

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 - 20 minutes.
- Call a poison control center or doctor immediately for treatment advice.

IF INHALED

- Move person to fresh air.
- If person is not breathing, call an ambulance, then give artificial respiration, preferably mouth to mouth, if possible.

• Call a poison control center or doctor immediately for treatment advice.

IF IN EYES

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor immediately for treatment advice.

NET WEIGHT: 50 lbs. (22.72 kilos)

EPA EST. NO. 12455-WI-1
EPA REG. NO. 12455-17

Manufactured by:



Bell Laboratories, Inc.
Madison, WI 53704

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Keep away from humans, domestic animals and pets. Harmful if swallowed, absorbed through the skin, inhaled, or in eyes. Do not breathe dust. Avoid contamination of feed or foodstuffs. Avoid contact with acids. Wash all utensils, spoons, or measuring devices thoroughly after using.

Personal Protective Equipment (PPE)

All handlers, including anyone who applies bait and retrieves carcasses and unused bait, must wear waterproof gloves.

Follow manufacturer's instructions for cleaning/maintaining PPE, such as gloves. If no instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Wash hands thoroughly after applying bait and before eating, drinking, chewing gum, using tobacco or using the toilet.

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. Do not apply to any site, against any pest, or by any method of application not stated on this label.

Use Restrictions: Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Keep all other persons out of the treated area during this application.

LIMITATIONS

The following Limitations apply to the Agricultural Areas listed on this label:

Pellets must not be applied on roads, near residential areas, or over water. Do not broadcast over growing crops other than alfalfa, barley, beans (dry), potatoes, sugar beets, sugarcane and wheat. Apply pellets on warm clear days. Do not graze animals in treated areas.

10/12

NONCROP RIGHTS-OF-WAY

USE RESTRICTIONS: For control of California Ground Squirrels (*Spermophilus beecheyi*) on noncrop rights-of-way adjacent to canal and ditch banks and other noncrop borders during late spring and summer. ZP RODENT BAIT AG must not be applied on roads, near residential areas, over water or where plants are grown for food or feed.

PREBAITING with 6 pounds of untreated cracked corn per acre, 2-3 days prior to applying toxic bait may enhance acceptance by target species when baiting with acute toxicants.

BAITING: Treat only once during treatment period. Broadcast bait in a 10-15 foot swath along right-of-way, using hand or ground-driven dispensing devices not to exceed 6 pounds per acre. Bait will be applied only to the canal right-of-way between the base of the levee and adjacent properties. The canal and levee will not be treated. Dispose of excess bait from application equipment by burial.

RANGELAND AND ADJACENT NONCROP AREAS

USE RESTRICTIONS: For control of prairie dogs Blacktailed (*Cynomys ludovicianus*), Whitetailed (*C. leucurus*) and Gunnison (*Zuni*) on rangeland in Western United States (North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, Texas, New Mexico, Arizona, Colorado, Montana, Idaho, Utah and Wyoming).

PREBAITING: Prebait with 4 grams (one teaspoon) of untreated cracked corn per mound, one or two days prior to baiting, to increase acceptance of treated baits by prairie dogs.

BAITING: Apply bait only after all or most of prebait is eaten and only to areas where untreated bait was consumed. Establish observation period during prebaiting. Apply bait by hand as a six-inch bait spot on edge of each mound or in adjacent feeding areas. Application rate should not exceed 4 grams (one teaspoon) per bait spot. Treat during late summer or fall period (July-December). Do not apply more than one bait application during this period. Dispose of spilled or unwanted bait by burial.

MACADAMIA NUT ORCHARDS AND ADJACENT NONCROP AREAS

USE RESTRICTIONS: For control of roof rats (*R. rattus*) in Macadamia Nut orchards and adjacent noncrop areas.

SPOT TREATMENT: Bait may be placed in bait stations on the ground or in stations in trees. Place 4-8 grams (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 a harvesting round.

BURROW TREATMENT: Place 4-8 grams (1-2 teaspoons) of bait in each burrow. No preharvest interval is required, provided nuts 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. Aircraft may be used to treat adjacent noncrop areas if recommended and supervised by the Hawaii Dept. 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.

ORCHARDS AND GROVES

USE RESTRICTIONS: For control of meadow voles, prairie voles, pine voles, California voles, long-tailed voles, Oregon voles, mountain voles and Townsend's voles (*Microtus spp.*) in orchards and groves. Apply bait after harvest while the orchard or grove is in a nonbearing phase.

HAND BAITING: Near the base of each infested tree, place teaspoonful quantities of bait at 2-4 locations, either on surface trails or at the mouth of holes leading to underground burrow systems. Cover bait artificially (e.g., mats, boards) or by pulling overhanging grass back into place. Do not allow bait to be exposed on bare ground. Do not disturb the runway system. Bait at the rate of 2-3 pounds per acre of infested trees.

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

BROADCAST BAITING: Under infested trees broadcast evenly by cyclone seeder or by hand (wear rubber gloves during hand broadcast operations). Concentrate in areas with the heaviest vegetative cover. Do not broadcast on bare ground or growing crops. Apply at the rate of 6-10 pounds per acre.

AERIAL APPLICATION: Broadcast bait at a rate of 6-10 pounds per acre. Do not apply on bare ground or growing crops.

SUGARCANE

USE RESTRICTIONS: For control of Polynesian (*Rattus exulans*), Norway (*R. norvegicus*), Roof (*R. rattus*), Rice (*Oryzomys palustris*), Florida water (*Neofiber alleri*), and Cotton rats (*Sigmodon hispidus*) in sugarcane fields.

PREBAITING: Prebaiting with three pounds of untreated cracked corn per acre one or two weeks prior to baiting is usually desirable to enhance acceptance of the treated bait by rats.

BAITING: Broadcast bait by aircraft, ground-driven devices, or by hand at the rate of five (5) pounds of bait per acre. The number of applications shall not exceed four (4) per crop. The total application shall not exceed 20 pounds per acre. Do not apply within 30 days of harvest.

NURSERY STOCK, CONIFER/CHRISTMAS TREE, POPLAR/COTTONWOOD, ORNAMENTAL AND NON-BEARING FRUIT TREE PLANTATIONS

USE RESTRICTIONS: For control of meadow voles, prairie voles, pine voles, California voles, long-tailed voles, Oregon voles, mountain voles and Townsend's voles (*Microtus spp.*) in nursery stock, conifer/Christmas tree, poplar/cottonwood, ornamental, and non-bearing fruit trees plantations.

BROADCASTING BAITING: Under infested nursery stock, conifer/Christmas trees, poplar/cottonwood trees, ornamental and/or non-bearing fruit trees broadcast evenly by cyclone seeder or by hand. Concentrate in areas with the heaviest vegetative cover. Do not broadcast on bare ground. Apply at a rate of 6-10 pounds per acre.

HAND BAITING: Near the base of infested nursery stock, conifer/Christmas trees, poplar/cottonwood trees, ornamental and/or non-bearing fruit trees, place teaspoonful quantities of bait at 2-4 locations, either on surface trails or at the mouth 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.

GRAPE VINEYARDS

USE RESTRICTIONS: For control of deer mice, white-footed mice, and oldfield mice (*Peromyscus spp.*), meadow, prairie and pine voles (*Microtus pennsylvanicus*) (*Microtus spp.*) and meadow jumping mice (*Zapus hudsonicus*) in grape vineyards. Do not use this product in areas of Alabama and Florida occupied by endangered subspecies of the oldfield mouse.

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

ALFALFA, LAWNS, GOLF COURSES, AND OTHER NONCROP AREAS

USE RESTRICTIONS: For control of plains pocket gophers (*Geomys bursarius*), southeastern pocket gophers (*G. pinetis*), yellow-faced pocket gophers (*Pappogeomys castanops*) and pocket gophers (*Thomomys spp.*), in alfalfa, rangelands, croplands, noncrop areas, lawns, golf courses, parks, forests, and reforestation areas, conifer/Christmas trees, and poplar/cottonwood plantations and other noncrop areas. Bait must be applied directly into pocket gopher's underground burrow systems. Do not apply bait above ground or directly to crops grown for food or feed. Do not apply by use of burrow-builders in lawns, golf courses, or municipal parks.

HAND BAITING: Place one teaspoon (4 grams) of bait at 2-4 locations using a mechanical probe or similar device into the underground runway. After bait is dropped into the probe hole, cover the hole. Pick up and bury all spilled bait.

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 mound density, make two to five bait placements per burrow system. Recover and bury all spilled pellets.

BURROW BUILDER: Drop teaspoonful quantity of bait at 4-5 foot intervals in the artificial burrow made by the machine. Apply at a rate of 2-3 pounds per acre. Pick up and bury all spilled bait.

ALFALFA

USE RESTRICTIONS: For control of voles (*Microtus spp.*) in alfalfa. All applications must occur shortly after a cutting of the hay, and/or prior to the new growth attaining a length of 2 inches. Alfalfa forage from treated areas must not be harvested until it reaches maturity. This use is restricted to California, Idaho, Oregon and the state of Washington.

BROADCAST BAITING: This product may be broadcast by air or ground driven dispensing devices. Apply at a rate of up to 10 lbs. (0.2 lb. active) per acre. A second application may be made after 10 days. A maximum of 20 lbs. (0.4 lb. active) per acre may be applied per year. Do not apply by air when wind velocity exceeds 10 mph. Do not apply in piles or permit piles to be formed by equipment.

TIMOTHY AND TIMOTHY/ALFALFA MIXTURES PRODUCED FOR HAY

USE RESTRICTIONS: For control of voles (*Microtus spp.*) in timothy and timothy/alfalfa mixtures. Do not apply by air. Do not apply to actively growing timothy or timothy/alfalfa mixtures. This use is restricted to California, Idaho, Oregon and the state of Washington. Do not apply to timothy or timothy/alfalfa mixtures within 60 days of harvest.

BROADCAST BAITING: Broadcast pellets using hand, cyclone seeder, or ground-driven dispensing devices. A maximum of 2 applications by ground may be made at the rate of 5 to 10 pounds per acre, one in the fall after the last cutting and one in the spring when timothy and timothy-legume mixtures are still dormant. Do not apply in piles or permit piles to be formed by equipment.

TIMOTHY PRODUCED FOR SEED

USE RESTRICTIONS: For control of voles (*Microtus spp.*) in growing season. Do not apply by air. Do not apply to actively growing timothy or timothy/alfalfa or timothy/clover mixtures. A minimum of 158 days must pass between an application of zinc phosphide pellets and any livestock foraging activity. This use is restricted to Idaho, Oregon and the state of Washington.

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

BARLEY

USE RESTRICTIONS: For control of voles (*Microtus spp.*) in barley, or preplant. Do not apply this product to barley within 50 days of harvest. This use is restricted to Idaho, Oregon and the state of Washington.

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

POTATOES

USE RESTRICTIONS: For control of voles (*Microtus spp.*) in potatoes or pre-plant. Do not apply this product to potatoes within 30 days of harvest. This use is restricted to Idaho, Oregon and the state of Washington.

BROADCAST BAITING: This product may be broadcast by air or ground driven dispensing devices. Apply zinc phosphide pellets at a rate up to 10 lbs (0.2 lb active) per acre, or two applications of zinc phosphide pellets at the rate of up to 5 lbs (0.1 lb active) per acre. The maximum application rate per year is 10 lbs (0.2 lb active).

SUGAR BEETS

USE RESTRICTIONS: For control of voles (*Microtus spp.*) in sugar beets or pre-plant. Do not apply this product to sugar beets within 30 days of harvest. This use is restricted to Idaho, Oregon and the state of Washington.

BROADCAST BAITING: This product may be broadcast by air or ground driven dispensing devices. Apply zinc phosphide pellets at a rate of up to 10 lbs (0.2 lb active) per acre at planting. A second application may be made at this rate. The maximum application rate per year is 20 lbs (0.4 lb active).

WHEAT

USE RESTRICTIONS: For control of voles (*Microtus spp.*) in wheat or pre-plant. Do not apply this product to wheat within 50 days of harvest. This use is restricted to Idaho, Oregon and the state of Washington.

BROADCAST BAITING: This product may be broadcast by air or ground driven dispensing devices. Apply zinc phosphide pellets at a rate up to 6 lbs (0.12 lb active) per acre. A second application may be made within 25 days. The maximum application rate per year is 12 lbs (0.24 lb active).

BEANS (DRY)

USE RESTRICTIONS: For control of prairie voles (*Microtus ochrogaster*), meadow voles (*M. pennsylvanicus*), house mice (*Mus musculus*); deer mice (*Peromyscus maniculatus*), white-footed mice (*P. leucopus*), thirteen-lined ground squirrels (*Spermophilus tridecemlineatus*), Ord's kangaroo rats (*Dipodomys ordii*), banner-tailed kangaroo rats (*D. spectabilis*), and Merriam's kangaroo rats (*D. merriami*) in dry beans growing season. Do not apply by air. Do not apply this product to dry beans within 30 days of harvest. This use is restricted to Idaho, Oregon and the state of Washington.

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

BUSHBERRIES and CANEBERRIES

USE RESTRICTIONS: For control of meadow, prairie and pine voles (*Microtus spp.*) in bushberries [blueberries (Highbush and lowbush), currant, elderberry, gooseberry and huckleberry] and in caneberrries [blackberry, raspberry (black and red), loganberry, and cultivars or hybrids of these caneberrries]. Only apply this product in the dormant season: after final harvest and not later than the beginning of leaf emergence in the spring. Do not apply when ground is snow covered. Do not apply by air. Minimum preharvest interval is 70 days.

BROADCAST BAITING: This product may be broadcast by cyclone seeder, or by hand. When applying by hand (wear rubber gloves during hand broadcast operations), throw tablespoon amounts into heavy cover along bushes, rock outcrops, and fence lines. Make up to 2 applications at a minimum interval of 21 days, at the rate of 6 to 10 pounds per acre per application.

CUCURBITS, REDUCED TILLAGE and NO-TILL CORN

USE RESTRICTIONS: For control of prairie voles (*Microtus ochrogaster*), meadow voles (*M. pennsylvanicus*), house mice (*Mus musculus*); deer mice (*Peromyscus maniculatus*) white-footed mice (*P. leucopus*), thirteen-lined ground squirrels (*Spermophilus tridecemlineatus*), Ord's kangaroo rats (*Dipodomys ordii*), banner-tailed kangaroo rats (*D. spectabilis*), Merriam's kangaroo rats (*D. merriami*), and cotton rats (*Sigmodon hispidus*) in cucurbits [includes chayote, Chinese waxgourd, citron melon, cucumber, gherkin, edible gourd, *Momordica spp.*, muskmelon, pumpkin, squash (summer and winter), and watermelon] and in reduced tillage and no-till corn.

IN-FURROW APPLICATION ONLY: Do not broadcast. Only use equipment designed for In-Furrow delivery and properly adjusted to avoid crushing pellets into pieces too small to be effective. Make one application at planting, or pre-planting, at a rate of 4 to 6 pounds per acre. Collect excessive quantities of pellets deposited on surface soil or crop residues during equipment malfunction or spills.

CALIBRATION / ROW

Row spaces Inches	4 lbs/A Rate oz. Per 1000 ft	5 lbs / A rate oz. Per 1000 ft	6 lbs / A rate oz. Per 1000 ft
20	2.5	3.1	3.7
30	3.7	4.6	5.5
36	4.4	5.5	6.6
38	4.7	5.8	6.9

RANGELANDS AND NONCROP AREAS

USE RESTRICTIONS: For control of the Ord's Kangaroo rat (*Dipodomys ordii*), banner-tailed kangaroo rat (*Dipodomys spectabilis*), and Merriam's kangaroo rat (*Dipodomys merriami*) in rangeland vegetation and noncrop areas.

HAND BAITING: Place one tablespoon (12 grams) of bait at 2 locations on opposite sides of mounds. Attempt to place in feeding runs near the entrance to burrows.

HAND BAITING IN NONCROP AREAS:

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

USE RESTRICTIONS: For control of meadow voles, prairie voles, pine voles, California voles, long-tailed voles, Oregon voles, mountain voles and Townsend's voles (*Microtus spp.*), Columbian ground squirrels (*S. columbianus*), Richardson's ground squirrels (*S. richardsonii*), Thirteen-lined ground squirrels (*Spermophilus tridecemlineatus*), and California ground squirrels (*Spermophilus beecheyi*). ZP RODENT BAIT AG must not be applied on roads, over water or where plants are grown for food or feed.

PREBAITING with 6 pounds of untreated cracked corn per acre, 2-3 days prior to applying toxic bait has been shown to provide more consistent acceptance by target species when baiting with acute toxicants.

HAND BAITING: Place 4 grams (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 heaps or piles.

STORAGE AND DISPOSAL

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

STORAGE: Store only in original container in a cool, dry, well ventilated place inaccessible to children, pets and wildlife. Protect from direct contact with water or excessive moisture. Once opened, do not store bag for prolonged period.

Spills: If container is punctured, repair with tape and use clear overslip bag and securely close.

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

CONTAINER DISPOSAL: Do not reuse empty container. Dispose of empty container by placing in trash, at an approved waste disposal facility or by incineration or, if allowed by state and local authorities, by burning. If burned stay out of smoke. Call your Local Waste Agency for any questions on proper disposal.

WARRANTY: Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

12/12

OPTIONAL GRAPHICS WITH TEXT:

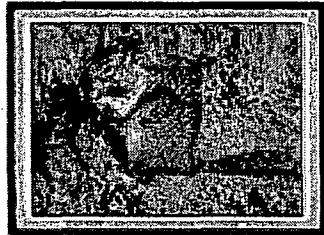
FOR CONTROL OF



Gophers



Voles



**Ground
Squirrels**

**Prairie Dogs, Rats, Mice, Meadow Mice,
Deer Mice, & Kangaroo Rats**
