

7173-257

05/31/2007

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

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Rachel M. Callies  
Liphatech, Inc.  
3600 W. Elm Street  
Milwaukee, WI 53209

MAY 31 2007

Dear Ms. Callies:

Subject: Labeling & Confidential Statement of Formula Revisions  
Metarex 4% Snail and Slug Bait  
Registration No. 7173-257

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following provisions:

1. Delete all label claims claiming six weeks of efficacy.
2. Delete all label claims containing the words "advanced" or "superior".

A stamped copy is enclosed for your records. Please submit one (1) final printed copy for the referenced label, incorporating the above changes, before releasing the product for shipment.

The Agency has also reviewed your submission for the revised Confidential Statement of Formula dated March 29, 2007 for the basic formulation and two revised Confidential Statements of Formula dated March 29, 2007 for the alternate formulation. It has been determined that the Confidential Statements of Formula agree with the label claim in compliance with PR Notice 91-2 and are acceptable. The Confidential Statements of Formula have been added to your file as part of the record. If you have any questions regarding this letter, please contact me at (703) 306-0415.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Kable Bo Davis".

Kable Bo Davis  
Entomologist  
Insecticide-Rodenticide Branch  
Registration Division (7505P)



**4% SNAIL AND SLUG BAIT**

*For control of snails and slugs in turf, ornamentals, field crops, tobacco, seed crops, vegetables, tree crops & small fruits*

**Active Ingredient:**  
 metaaldehyde  
 2,4,6,8-tetramethyl-1,3,5,7-tetraoxocyclo-octane . . . . 4.0%  
**Inert Ingredients** . . . . . 96.0%  
**Total** . . . . . 100.0%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION:** Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail).

**FIRST AID**  
 Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  
 If on skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.  
 If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.  
 Note to Physician: No specific antidote is available. Treat the patient symptomatically.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.  
**STORAGE:** Store product in original labeled container in a cool, dry, locked place out of the reach of children. Keep container tightly closed when not in use. Do not store in direct sunlight.  
**DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.  
**CONTAINER DISPOSAL:** Dispose of empty container in a sanitary landfill, by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**PRECAUTIONARY STATEMENTS**  
 Hazards to Humans and Domestic Animals

**CAUTION:** Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. **IMPORTANT:** Keep granules away from children and pets. Bait may be attractive to dogs. Confine pets during application to prevent them from believing they are being fed.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):** Applicators and other handlers must wear long-sleeved shirt, long pants, shoes plus socks and chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride. Follow the manufacturer's instructions for cleaning/maintaining PPE. If no instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENVIRONMENTAL HAZARDS:** Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash-water.

**DIRECTIONS FOR USE**

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

**AGRICULTURAL USE REQUIREMENT:** Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is: long-sleeved shirt and long pants, shoes plus socks and chemical-resistant gloves made of any waterproof material.

**NON-AGRICULTURAL USE REQUIREMENTS:** These requirements apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

**APPLICATION DIRECTIONS**

Apply to the soil surface. Granules may be broadcast by air or ground equipment unless specified otherwise on the label. Use a band treatment between rows after formation of edible crop parts. Do not contaminate edible parts.

Best results are obtained if applied in the evening, after irrigation or rain. Do not irrigate for 48 hours after application. Apply when plant damage first appears. Repeat every 2 to 4 weeks or as reinfestation occurs. Most plants are tolerant of Metarex. On extremely tender plants, such as orchids, the user should make a test application to determine any plant sensitivity before large scale use or broadcast treatment over many plants. Metarex granules may be applied to the following crops to control slugs and snails:

**Non-crop areas** such as: Fallow land, barrier strips & uncultivated non-agricultural areas; parks & recreational areas; golf courses; brush; railroad, pipeline, highway, power & telephone rights of way, road sides; lumberyards; storage areas; industrial sites; parking lots; airports and similar non-crop areas which may be infested and offer transient harborage to slugs & snails. Apply 5 to 40 pounds per acre.

**Turf and Ornamentals** (ornamental greenhouses, ornamental plantings, commercial ornamental nurseries, ground covers, turfgrass and grasses grown for sod, dichondra, and around building foundations): Apply at 3 ounces to 1 pound per 1000 sq. ft. (approx. 6 to 32 pellets per square foot or 8 to 40 pounds per acre).

**Artichokes** (by air or ground before tight bud stage or by ground only after tight bud stage): Apply 9 to 40 pounds per acre.

**Field Crops** (cereal grains, corn, legumes and mint): Apply 5 to 40 pounds per acre.

**Seed Crops** (sugar beets, flowers, grasses, vegetable and legume crops grown for seed): Apply 5 to 40 pounds per acre.

**Small Fruit** (blackberries, blueberries, boysenberries, cranberries, loganberries, raspberries, strawberries and grapes): Apply 6.5 to 40 pounds per acre or 2.5 ounces up to 1 pound per 1000 sq. ft. or 5-32 pellets per sq. ft. May be applied in a circular band (not less than 6 inches wide) around base of tree trunks.

**Tobacco** (field, greenhouse and lathe house): Apply 5 to 40 pounds per acre or 1 pound per 1,100 to 8,800 sq. ft.

**Tree Crops** (citrus, avocado, cherries, peaches, apricots, apples, pears, bananas and papaya): Apply 6.5 to 40 pounds per acre or 2.5 ounces up to 1 pound per 1000 sq. ft. or 5-32 pellets per sq. ft. May be applied in a circular band (not less than 6 inches wide) around base of tree trunks.

**Vegetables** (asparagus, beans, beets, black-eyed peas, broccoli, Brussels sprouts, cabbage, cantaloupe, carrots, cauliflower, celery, collards, corn, cowpeas, cucumbers, eggplants, endive, garlic, ginseng, horseradish, kale, kohlrabi, leeks, legumes, lettuce, melons, mustard greens, okra, onion, parsnips, peas, peppers, pimientos, potatoes, pumpkins, radishes, rhubarb, rutabagas, salsify, shallots, spinach, squash, sweet potatoes, Swiss chard, tomatoes, turnips and watermelons): Apply 5 to 40 pounds per acre. (08837)

**ACCEPTED** with COMMENTS  
**In EPA Label Data:**  
 Net Weight: 1 lb. up to 2000 lbs.  
 EPA Reg. No. 7173-257      EPA Est. No. 74926-FRA-1

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 7173-257



Manufactured for:  
 Liphatech, Inc.  
 3600 W. Elm Street  
 Milwaukee, WI 53074  
 414-351-1476



**4% SNAIL AND SLUG BAIT**

*For control of snails and slugs commonly found in and around homes, lawns, ornamental plantings, fruit and vegetable gardens.*

**Active Ingredient:**

metalddehyde	
2,4,6,8-tetramethyl-1,3,5,7-tetraoxycyclo-octane	4.0%
Inert Ingredients	96.0%
Total	100.0%

**KEEP OUT OF REACH OF CHILDREN**

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**FIRST AID**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

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If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Note to Physician: No specific antidote is available. Treat the patient symptomatically.

**STORAGE AND DISPOSAL**

**STORAGE:** Store product in original container in a dry place inaccessible to children and pets.

**DISPOSAL:** If empty: Do not reuse this container. Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**PRECAUTIONARY STATEMENTS**

Hazards to Humans and Domestic Animals

**CAUTION:** Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**IMPORTANT:** Keep granules away from children and pets. Bait may be attractive to dogs. Confine pets during application to prevent them from believing they are being fed.

**USER SAFETY RECOMMENDATIONS:**

Wear long-sleeved shirt and long pants, socks, shoes and waterproof gloves when applying this product.

**ENVIRONMENTAL HAZARDS:** Do not apply directly to water. Do not dump leftover pesticide or rinse water into drains or sewers.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read entire label and follow all directions and precautions. Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

Apply before damage occurs or as soon as infestation is seen. Repeat application every 2 to 4 weeks or as needed for control. Best results are obtained if applied in the evening, after rain or irrigation.

Home lawns, ground covers, ornamental beds, around home foundations, home greenhouses and lathe houses: Apply \_\_\_ ounces (or pounds) per \_\_\_ sq. ft. (actual statements based on container size and application rate of 2 ounces per 1000 sq ft). Sprinkle evenly over soil surface and do not apply in piles. Scatter on and beneath greenhouse benches and in pots but not on foliage.

Home vegetable gardens (asparagus, beans, beets, black-eyed peas, broccoli, Brussels sprouts, cabbage, cantaloupe, carrots, cauliflower, celery, collards, corn, cowpeas, cucumbers, eggplants, endive, garlic, ginseng, horseradish, kale, kohlrabi, leeks, legumes, lettuce, melons, mustard greens, okra, onion, parsnips, peas, peppers, pimentos, potatoes, pumpkins, radishes, rhubarb rutabagas, salsify, shallots, spinach, squash, sweet potatoes, Swiss chard, tomatoes, turnips and watermelons): Apply \_\_\_ ounces (or pounds) per \_\_\_ sq. ft. (actual statements based on container size and application rate of 2 ounces per 1000 sq ft). Apply to soil surface around plants - do not apply to the foliage. Do not contaminate edible parts of plants.

Home fruit trees and bushes (citrus, avocado, cherries, peaches, apricots, apples, pears, bananas, papaya, blackberries, blueberries, boysenberries, cranberries, loganberries, raspberries, strawberries, and grapes): Apply \_\_\_ ounces (or pounds) per \_\_\_ sq. ft. (actual statements based on container size and application rate of 2 ounces per 1000 sq ft). May be applied in a circular band (not less than 6 inches wide) around base of tree trunks. (08807)

**NOTICE TO USER:** To the extent consistent with applicable law, seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risks of use and/or handling of this material when such use and/or handling is contrary to label instructions.

**NET WEIGHT: 8 ounces up to 10 lbs.**

EPA Reg. No. 7173-257

EPA Est. No. 74026-FRA-1



Manufactured for:

Liphatech, Inc.

3600 W. Elm Street

Milwaukee, WI 53209

414-351-1476

*Alternate warranty statements:*

\*Satisfaction guaranteed or your money back

*Optional marketing statements:*

- \*Contains Bitrex™
- \*(Bitrex logo™)
- \*Bitrex™ is a trademark of MacFarlane Smith Ltd., Edinburgh, Scotland
- \*Meta™ is a registered trademark of Lonza AG, Switzerland
- \*(Meta logo™)
- \*For use on Turf, Ornamentals, Vegetables & Fruit
- \*Kills snails & slugs fast
- \*Effective at controlling snails and slugs commonly found in and around homes, lawns, ornamental, fruit and vegetable gardens
- \*Smaller, highly visible pellets offer more baiting points (than the same weight of competing products)
- \*Rain-fast for up to 45 days (under normal rainfall)
- \*Protects for up to 6 weeks
- \*Reduced rate technology
- \*Low rate technology
- \*Power pellets
- \*The power pellet
- \*The power is in the pellet
- \*Moisture resistant package (bag, box, pail, as appropriate)
- \*Approx. 4 pellets per square foot
- \*Covers \_\_\_ sq. ft. (label statement based on application rate of 2 ounces per 1000 sq ft and actual package size)
- \*Enough for \_\_\_ applications to a typical 20 ft. x 20 ft garden (label statement based on application rate of 2 ounces per 1000 sq ft and actual package size)
- \*Practical & easy to use: The shaker lid permits very accurate and uniform dosage without requiring you to touch the bait.
- \*Dust free
- \*No dust
- \*Highly visible pellets help assure proper coverage and prevent over application.
- \*Offers immediate protection to plants, even though slugs & snails may remain in the area.
- \*After feeding, slugs & snails dehydrate and die within 2-6 days, often crawling to secluded places to die.
- \*Plant protection will be observed in the decrease in plant damage.
- \*High palatability = quick attraction: Made with food-grade cereal ingredients, manufactured to the highest of standards.
- \*In controlled tests, preferred 3 to 1 vs fresh carrots & lettuce
- \*Rain & irrigation resistant: Due to exclusive manufacturing techniques, Metarex granules resist heavy watering - holding their shape longer than competitive pellets.
- \*Metarex granules can remain effective and provide protection for up to six weeks!
- \*Metarex pellets can remain effective and provide protection for up to six weeks!
- \*When to apply (usage tips): Apply when slugs and snails are active. If ground is dry, water the area before application. This will usually mean treating during periods when evening frost is no longer likely. Check under rocks and other horizontal surfaces in contact with moist soil for snail & slug activity in the early morning. Even a presence of 1-2 slugs per square yard can indicate a serious problem. Snails & slugs feed almost entirely at night, so the best time to treat is late afternoon or just before dusk and when temperatures are cooler; just before slugs & snails become active. Try not to irrigate for 48 hours after application. Regular application will diminish the recurrence of slug or snail infestation. Retreat if necessary, or if you begin to see recurring damage to your plants.
- \*Just one slug or snail can hatch up to 40 or 80 eggs respectively, every 4-8 weeks!
- \*Where to apply (usage tips): Apply at the edge of the garden or area to be protected to reduce the chances of re-infestation from adjacent areas. Slugs & snails migrate toward better feeding and sheltering conditions, preferring moist shady environments with tender, succulent vegetation close to the ground, Use broadcast-type spreader for large areas. Also treat areas where these pests shelter during the day - damp places, around mulch, shady flower gardens, rock formations, ivy patches, hedged, vegetable plants, dichondra lawns and other ground covers.
- \*Protect Flowers
- \*Protect Flower Quality
- \*Protect Sensitive landscapes
- \*Compare coverage vs. other brands
- \*Advanced Slug Bait Technology
- \*Advanced Snail Bait Technology
- \*Advanced Slug/Snail Bait Technology
- \*Superior Slug/Snail Bait Technology
- \*More uniform pellets = better spread pattern
- \*Trusted by European growers for over 30 years.
- \*Colorfast
- \*Moisture resistant package (bag, box, pail, as appropriate)

\*Spreader Settings:

To Apply:	rate 1	rate 2	rate 3	rate 4
<u>spreader A</u>				
<u>spreader B</u>				
<u>spreader C</u>				