

7173-257

9/18/2013

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**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
**Office of Pesticide Programs**  
**Registration Division (7505P)**  
**Ariel Rios Building**  
**1200 Pennsylvania Ave., NW**  
**Washington, D.C. 20460**

EPA Reg. Number:  7173-257	Date of Issuance:  SEP 18 2013
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NOTICE OF PESTICIDE:  
 \_\_\_ Registration  
 x  Reregistration  
 (under FIFRA, as amended)

Term of Issuance: Unconditional
Name of Pesticide Product:  Metarex 4% Snail & Slug Bait

Name and Address of Registrant (include ZIP Code):  
 Tom Schmit  
 Liphatech  
 3600 West Elm Street  
 Milwaukee, WI 53209

**Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.**

On the basis of information furnished by the registrant, the above named pesticide is hereby reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

Based on your response to the Reregistration Eligibility Decision, EPA has reregistered the product listed above. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

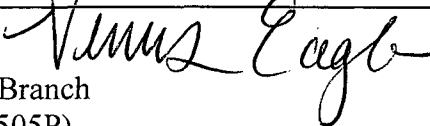
Generic data requirements that have been identified in the Metaldehyde RED as confirmatory data for the active ingredient contained in the subject product will continue to be tracked and assessed in the Agency's continual reassessment of pesticides.

The basic Confidential Statement of Formula (CSF), the Alternate CSF (A) and Alternate CSF (B) all dated 10/26/09 are all acceptable. All other CSF's including Alternatives have been superseded by these CSFs. These have been added to your record.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable.

Submit one (1) copy of the final printed label before you release the product for shipment. Products shipped after 12 months from the date of this Notice or the next printing of the label whichever occurs first, must bear the new revised label. A stamped copy of the label is enclosed for your records. If you have any questions, contact Marianne Lewis at 703-308-8043 or [lewis.marianne@epa.gov](mailto:lewis.marianne@epa.gov).

Signature of Approving Official:  
 Venus Eagle, PM 01  
 Insecticide-Rodenticide Branch  
 Registration Division (7505P)



Date: SEP 18 2013

ACCEPTED

9/18/13

Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended, for the  
pesticide registered under:

**METAREX 4%** EPA. Reg. No: 7173-257

# SNAIL AND SLUG BAIT

For control of snails and slugs around ornamentals,  
citrus, grass grown for seed, and listed vegetables and fruits

Active Ingredient: metaldehyde .....	4.0%
Inert Ingredients: .....	96.0%
Total: .....	100.0%

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION:**

See side panel (inner label / back label) for further precautionary statements

EPA Reg. No. 7173-257

EPA Est. No. 74926-FRA-1

**NET WEIGHT: 5 pounds up to 2000 pounds**

Manufactured for:  
Liphatech, Inc.  
3600 W. Elm Street  
Milwaukee, WI 53209  
800-351-1476

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if inhaled. Harmful if swallowed. Harmful if absorbed through skin. Avoid breathing dust. Avoid contact with skin, eyes, or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. **IMPORTANT:** This product can be harmful to children and fatal to domestic animals when ingested. Children and dogs may be attracted to the product. Application of this product is prohibited unless children and domestic animals can be excluded from the treated area from the start of application until applied material is no longer visible.

**Personal Protective Equipment (PPE):** Some materials that are resistant to this product are barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride or Viton. If you want more options, follow the instructions for category A on an EPA chemical resistance category chart. Mixers, loaders, applicators and other handlers must wear long sleeved shirt and long pants, shoes plus socks, and 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. Discard clothing or other absorbent materials that have been heavily contaminated with this product. Do not reuse them.

**User Safety Recommendations:** Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### FIRST AID

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further 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 by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**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 for treatment advice.

**Metalddehyde is a systemic toxin. There is no antidote. The following instructions are not intended for lay people. There is no home treatment. Exposed individuals and animals should receive emergency care as quickly as possible.**

**NOTE TO PHYSICIAN:** Dust inhalation is usual route of accidental exposure; the product is rarely ingested. Treatment is symptomatic and supportive. Monitor severe exposures closely: seizures, electrolyte imbalances, acidosis, dehydration, and increased body temperature have been reported.

**NOTE TO VETERINARIAN:** Animals typically are exposed via ingestion. Treatment is symptomatic and supportive. If significant ingestion suspected, and the animal is asymptomatic, consider induction of emesis or gastric lavage and administration of activated charcoal, cathartic and enema to limit absorption. Monitor asymptomatic and symptomatic animals closely. Treat seizures, electrolyte imbalances, acidosis, dehydration, and increased body temperature. Monitor liver function post recovery.

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**Poisoning Hotline:** Seek medical care as soon as possible after exposure. For incidents involving animals, seek veterinary care as soon as possible after exposure. Have the product container or label with you when you call a poison control center or doctor or veterinarian, or when going for treatment. For information on this pesticide product (including health concerns, medical emergencies, treatment advice, or pesticide incidents), call Liphatech at 1-800-351-1476.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to mollusks (e.g., clams, oysters, scallops, mussels). Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate. This pesticide is toxic to birds and mammals. Granules on soil surface may be hazardous to terrestrial wildlife. Cover or collect any such materials spilled during loading.

**STORAGE AND DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Pesticide storage: This product can be harmful to children and fatal to dogs and other domestic animals if ingested. Dogs have been known to ingest metaldehyde after opening or tearing packaging. Store this product in original container, in a cool, secure location out of reach of children and pets.

Pesticide disposal: To avoid wastes, use all of the product in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

Container handling: This is a nonrefillable container. Do not reuse or refill this container. Completely empty container into application equipment. Then offer for recycling if available, or dispose of empty container in a sanitary landfill or by incineration.

**WARRANTY:** 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 this material when such use and/or handling is contrary to label instructions.

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## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Only protected handlers may be in the area during application. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. For any requirements by your State or Tribe, consult the agency responsible for pesticide regulation.

### Restrictions:

Broadcast applications and applications of this product directed to plant parts are prohibited except to grass grown for seed, and as specified for use in State and/or Federal invasive mollusk eradication operations.

This product is intended solely for use on agricultural crops grown for commercial or research purposes, and in State and/or Federal invasive mollusk eradication operations. This product may not be applied to residential sites, (i.e., in yards, gardens, around homes and apartments) and other sites such as the exterior areas around schools and daycare facilities, and athletic fields, playground, parks, recreation areas, etc.

Do not apply to dry soil. Do not irrigate for 48 hours after 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. Exception: if the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated areas without restriction if there will be no contact with anything that has been treated. 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: coveralls, shoes plus socks and chemical-resistant gloves made of any waterproof material.

**NON-AGRICULTURAL USE REQUIREMENT:** 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 only when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses. Do not enter or allow others to enter the treated areas until the applied product is no longer visible.

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**APPLICATION DIRECT** **NS:** Apply to the soil surface in a broadcast treatment between plant rows. Do not apply to plant 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. Most plants are tolerant of Metarex. On any plants known or suspect to be sensitive to plant protection chemicals, the user should make a test application to determine the plants' sensitivity to this product before large scale treatment is made. Should the test determine that the plants are sensitive to this product, do not apply. Metarex granules may be applied to the following crops to control slugs and snails:

**Ornamentals:** Apply at a rate of 8 to 25 pounds of product per acre (or 6 to 20 pellets per square foot). Use the higher rate when pest pressure is high. The maximum application rate is 25 pounds of product per acre (1.0 lb ai/A) per application. A maximum of 6 applications are permitted per growing season at a minimum retreatment interval of 21 days. Apply in a band, between rows and/or directed towards the base of the plants, by hand or with application equipment designed for banded application of granular products.

**Artichokes:** Perennial: Apply at a rate of 9 to 25 pounds of product per acre. Use the higher rate when pest pressure is high. The maximum application rate is 25 pounds of product per acre (1.0 lb ai/A) per application. A maximum of 6 applications are permitted per growing season at a minimum retreatment interval of 18 days. Annual: Apply at a rate of 9 to 25 pounds of product per acre. The maximum application rate is 25 pounds of product per acre (1.0 lb ai/A) per application. A maximum of 2 applications are permitted per growing season at a minimum retreatment interval of 18 days. For both annual and perennial artichokes, apply in a band, between rows and/or directed towards the base of the plants, by hand or with application equipment designed for banded application of granular products.

**Grass grown for seed:** Apply at a rate of 5 to 20 pounds of product per acre. Use the higher rate when pest pressure is high. The maximum application rate is 20 pounds of product per acre (0.8 lb ai/A) per application. A maximum of 4 applications are permitted per growing season at a minimum retreatment interval of 21 days. Applications to turfgrass (other than grass grown for seed or in State and/or Federal invasive mollusk eradication operations) are prohibited. Apply bait by broadcast alone or by broadcasting blended with fertilizer. Application may also be made at planting using in-furrow (seed drill) application equipment.

(May include optional spreader setting chart in directions for grass grown for seed)	To Apply:	Rate 1	Rate 2	Rate 3	Rate 4
	Spreader A				
	Spreader B				
	Spreader C				
	Spreader D				

**Blueberries and Caneberries:** (bingleberry, black raspberry, blackberry, boysenberry, dewberry, lowberry, marionberry, olallieberry, red raspberry, youngberry) and other berries (currant, elderberry, gooseberry, huckleberry, loganberry, lingonberry, juneberry, salal): Apply at a rate of 6.5 to 20 pounds of product per acre. Use the higher rate when pest pressure is high. The maximum application rate is 20 pounds of product per acre (0.8 lb ai/A) per application. A maximum of 3 applications are permitted per growing season at a minimum retreatment interval of 14 days. Apply in a band, between rows and/or directed towards the base of the plants, by hand or with application equipment designed for banded application of granular products.

**Citrus:** Apply at a rate of 6.5 to 25 pounds of product per acre. Use the higher rate when pest pressure is high. The maximum application rate is 25 pounds of product per acre (1.0 lb ai/A) per application. A maximum of 6 applications are permitted per growing season at a minimum retreatment interval of 14 days. Apply in a band under tree canopy, by hand or with application equipment designed for banded application of granular products.

**Tomatoes:** Apply at a rate of 5 to 25 pounds of product per acre. Use the higher rate when pest pressure is high. The maximum application rate is 25 pounds of product per acre (1.0 lb ai/A) per application. A maximum of 3 applications are permitted per growing season at a minimum retreatment interval of 14 days. Apply in a band, between rows and/or directed towards the base of the plants, by hand or with application equipment designed for banded application of granular products.

**Lettuce, Cole Crops and other Leafy Greens:** (broccoli, Brussels sprouts, cabbage, cauliflower, cavalo broccolo, collards, kale, kohlrabi, mizuna, mustard greens, spinach, rape greens): Apply at a rate of 5 to 25 pounds of product per acre. Use the higher rate when pest pressure is high. The maximum application rate is 25 pounds of product per acre (1.0 lb ai/A) per application. A maximum of 3 applications are permitted per growing season at a minimum retreatment interval of 14 days. Apply in a band, between rows and/or directed towards the base of the plants, by hand or with application equipment designed for banded application of granular products.

**Strawberries (perennials only):** Apply at a rate of 6.5 to 25 pounds of product per acre. Use the higher rate when pest pressure is high. The maximum application rate is 25 pounds of product per acre (1.0 lb ai/A) per application. A maximum of 3 applications are permitted per growing season at a minimum retreatment interval of 14 days. Apply in a band, between rows and/or directed towards the base of the plants, by hand or with application equipment designed for banded application of granular products.

**Special Use – State and/or Federal Invasive Mollusk Eradication Operations**  
This product may be used only on the following use sites in response to State and/or Federal invasive mollusk eradication operations. Broadcast applications of this product may be made to the following use-sites for State and/or Federal invasive mollusk eradication operations: fallow land; barrier strips; uncultivated non-agricultural areas; recreational areas; non-food or non-feed brush; weed or dense vegetative areas; railroad, pipeline, highway, power and telephone rights of way and roadsides; guardrails and fences; lumberyards; storage areas; seaports; industrial facility sites, including yards and walkways around industrial buildings, parking areas, parks, golf courses, other public areas; and airport and similar industrial non-crop areas.  
  
This product may be applied for State and/or Federal invasive mollusk eradication operations at an individual application rate of no more than 50 pounds per acre (2 lb ai/A) and at no more than six applications/year.

Optional marketing statements:

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- \*Meta™ is a registered trademark of Lonza AG, Switzerland
- \*(Meta logo™)
- \*For use on Ornamentals, listed Vegetables & listed Fruits
- \*Kills snails & slugs fast
- \*Kills Slugs & Snails fast - offers immediate protection to plants.
- \*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 4 weeks
- \*Metarex pellets can remain effective and provide protection for up to four weeks!
- \*Resistant to Rain and Watering
- \*All Weather formula
- \*Reduced rate technology
- \*Low rate technology
- \*Power pellets
- \*The power is in the pellet
- \*Moisture resistant package (*bag, box, pail, as appropriate*)
- \*Approx. X pellets per square foot (*based on ~35,400 pellets/pound and stated application rate*)
- \*Dust free
- \*Mold resistant
- \*Highly visible pellets help assure proper coverage and prevent over application.
- \*Smaller, 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 and snails dehydrate and die within 2-6 days, often crawling to secluded places to die.
- \*After feeding, slugs and snails dehydrate and die within 2-6 days.
- \*Plant protection will be observed as a decrease in plant damage.
- \*High palatability = quick attraction: Made with food-grade cereal ingredients, manufactured to highest of standards.
- \*In controlled tests, preferred 3 to 1 vs. fresh carrots & lettuce
- \*Preferred 3 to 1 by slugs vs. fresh carrots and lettuce in controlled tests
- \*Rain & irrigation resistant: Metarex granules resist heavy watering - holding their shape longer than competitive pellets.
- \*Protect Flower Quality
- \*Protect Sensitive landscapes
- \*Will not stain plant containers or potting media



Optional Table Presentation:

Maximum Application Rates

Specified Application Rates

APPLICATION DIRECTIONS

CROP

<p><b>Ornamentals</b></p>	<p>Apply in a band, between rows and/or directed towards the base of the plants, by hand or with application equipment designed for banded application of granular products.</p>	<p>Apply 8 to 25 pounds of product per acre (6 to 20 pellets per square foot). Use the higher rate when pest pressure is high.</p>	<p>The maximum application rate is 25 pounds of product per acre (1.0 pound of active ingredient per acre) per application. A maximum of 6 applications are permitted per growing season at a minimum retreatment interval of 21 days.</p>
<p><b>Artichokes</b></p>		<p>Apply 9 to 25 pounds of product per acre. Use the higher rate when pest pressure is high.</p>	<p>The maximum application rate is 25 pounds of product per acre (1.0 pound of active ingredient per acre) per application. Perennial Artichokes: A maximum of 6 applications are permitted per growing season at a minimum retreatment interval of 18 days. Annual Artichokes: A maximum of 2 applications are permitted per growing season at a minimum retreatment interval of 18 days.</p>
<p><b>Strawberries (perennial only)</b></p>	<p>Apply in a band, between rows and/or directed towards the base of the plants, by hand or with application equipment designed for banded application of granular products.</p>	<p>Apply 6.5 to 25 pounds of product per acre. Use the higher rate when pest pressure is high.</p>	<p>The maximum application rate is 25 pounds of product per acre (1.0 pound of active ingredient per acre) per application. A maximum of 3 applications are permitted per growing season at a minimum retreatment interval of 14 days.</p>
<p><b>Blueberries and Caneberries</b></p>	<p>Apply in a band, between rows and/or directed towards the base of the plants, by hand or with application equipment designed for banded application of granular products.</p>	<p>Apply 6.5 to 20 pounds of product per acre. Use the higher rate when pest pressure is high.</p>	<p>Caneberries include bingleberry, black raspberry, blackberry, boysenberry, dewberry, lowberry, marionberry, olallieberry, red raspberry, youngberry and other berries include currant, elderberry, gooseberry, huckleberry, loganberry, lingonberry, juneberry, salal. The maximum application rate is 20 pounds of product per acre (0.8 pound of active ingredient per acre) per application. A maximum of 3 applications are permitted per growing season at a minimum retreatment interval of 14 days.</p>
<p><b>Lettuce, Cole Crops and other Leafy Greens</b></p>	<p>Apply in a band, between rows and/or directed towards the base of the plants, by hand or with application equipment designed for banded application of granular products.</p>	<p>Apply 5 to 25 pounds of product per acre. Use the higher rate when pest pressure is high.</p>	<p>Leafy greens: broccoli, Brussels sprouts, cabbage, cauliflower, cavalo broccolo, collards, kale, kohlrabi, mizuna, mustard greens, spinach, rape greens. The maximum application rate is 25 pounds of product per acre (1.0 pound of active ingredient per acre) per application. A maximum of 3 applications are permitted per growing seas at a minimum retreatment interval of 14 days.</p>
<p><b>Tomatoes</b></p>			
<p><b>Grass grown for seed</b></p>	<p>Apply bait by broadcast alone or by broadcasting blended with fertilizer. Application may also be done using in-furrow application equipment. (May include spreader setting chart).</p>	<p>Apply 5 to 20 pounds of product per acre. Use the higher rate when pest pressure is high.</p>	<p>The maximum application rate is 20 pounds of product per acre (0.8 pound of active ingredient per acre) per application. A maximum of 4 applications are permitted per growing season at a minimum retreatment interval of 21 days. Applications to turfgrass (other than grass grown for seed or in State and/or Federal invasive mollusk eradication operations) are prohibited.</p>
<p><b>Citrus</b></p>	<p>Apply in a band under tree canopy, by hand or with application equipment designed for banded application of granular products.</p>	<p>Apply 6.5 to 25 pounds of product per acre. Use the higher rate when pest pressure is high.</p>	<p>The maximum application rate is 25 pounds of product per acre (1.0 pound of active ingredient per acre) per application. A maximum of 6 applications are permitted per growing season at a minimum of retreatment interval of 14 days.</p>

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