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| US ENVIRONMENTAL PROTECTION AGENCY<br>OFFICE OF PESTICIDES PROGRAMS<br>REGISTRATION DIVISION (75-767)<br>WASHINGTON, DC 20460 | EPA REGISTRATION NO.<br>64439-1       | DATE OF ISSUANCE<br>AUG 03 1994 |
|   | NAME OF PESTICIDE PRODUCT<br>Mole Med |                                 |

NOTICE OF PESTICIDE.  REGISTRATION  REREГИSTRATION  
 (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Mole Med Inc.  
 P.O. Box 333  
 Aurora, Indiana 47001

Handwritten notes: 5161227 146/38, 5458168 146/18

NOTE: Changes in labeling formula 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 U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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.

This product is unconditionally registered in accordance with FIFRA sec. 3(c)(5), for one year, provided that you:

A. Make the following changes to your label prior to releasing the product for shipment:

1. Change "Mole Repellant" to "Mole Repellent".
2. Revise the ingredient statement as follows:

|                   |       |
|-------------------|-------|
| Active Ingredient |       |
| Castor Oil (USP)  | 66.0% |
| Inert Ingredients | 34.0% |

3. Because Mole-Med is Toxicity Category IV for acute oral exposure, no statement is needed for this route of exposure. However, because Mole-Med is Toxicity Category III for Primary Skin, a statement is needed for

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ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL: *[Signature]* DATE: AUG 03 1994

c. Make the following change in the "DIRECTIONS FOR USE":

Change "After treatment ... an additional 25 minutes." to "After treatment, soak in with water using hose or sprinkler for about 25 minutes. Avoid using excess water that may flow off turf into streams, ponds, gutters or storm sewers."

7. For a product size intended for domestic, outdoor use change your Storage and Disposal statement as follows:

STORAGE AND DISPOSAL

STORAGE: Store only in original container, in a dry place inaccessible to children and pets.

DISPOSAL; Do not reuse empty container. Rinse thoroughly. Securely wrap in newspaper and discard in trash.

8. Add the following to your label:

EPA Registration No. 64439-1.

B. Within one year of registration, or August 15, 1995, you need to submit data to answer the questions raised by the Dudderar and Elshof study (MRID 431216-04), as follows:

1. The study was greatly curtailed due to limited funding. As no monitoring of mole activity in untreated areas took place, we concur with the authors that the

"study cannot link ceased activity directly to product application."

On April 28, 1994, Dr. Dudderar informed a member of my staff that he has students conducting additional trials with MOLE-MED this Spring and that these studies were expected to be completed within a month. As these trials would include the monitoring of untreated areas, they would seem to be designed better than the study run in 1993. We feel that at least some sham-treated (water only) areas should be monitored as flooding is occasionally mentioned as a method for controlling (or moving) voles. We also have suggested that small tests of the effects of MOLE-MED on earthworms and other prey be run to indicate whether the product's claimed effects on moles could be mediated indirectly.

As soon as we receive the results of these studies, we will inform you of the results. If those tests are

satisfactory, you need do no more testing. If those tests are not conducted or are otherwise unsatisfactory, we will provide you with additional guidance concerning testing. In this case you will be responsible for supplying additional data by the August 15, 1995, date.

- 2. The item "FAXed" to us on March 21, 1994, concerning the source of inspiration for this product was interesting. If this approach truly has merit for mole control, as Mrs. Bjerstedt reported, it should be possible to demonstrate the extent and duration of such effects in appropriately designed research studies.

If you do not satisfy this requirement for acceptable efficacy data by August 15, 1995, the Agency will automatically cancel this registration, effective on that date.

- C. Submit one copy of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

This registration will be subject to cancellation in accordance with FIFRA sec. 6(e) if you do not comply with these conditions. Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Robert A. Forrest  
Product Manager (14)  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

- Enclosures: 1) Stamped label  
2) A-79 Enclosure

Peacock WP#4:64439.1:305-5407,-6600:8/3/94

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ACCEPTED  
with COMMENTS  
in EPA Letter Dated

AUG 03 1994

# MOLE MED

MOLE REPELLANT  
AND  
LAWN PROTECTION



## COMPOSITION

|                           |     |
|---------------------------|-----|
| Active ingredients        |     |
| Oil of Peonies            | 66% |
| Biodegradable Sulfactants | 14% |
| Inert                     | 20% |

Keep out of reach of children

## WARNING AVISO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que le etiqueta haya sido explicado ampliamente.

STATEMENT OF PRACTICAL TREATMENT: IF IN EYES: Flush with plenty of water, get medical attention. IF SWALLOWED: Drink promptly a large quantity of milk, egg whites, gelatin solution, or, if those are not available, drink large quantities of water. Avoid alcohol.

See back panel for additional precautionary statements

Net Contents 32 OZ

MOLE-MED

P.O. Box 333

Aurora, Indiana 47001

# M O L E M E D

For repelling moles in lawns

SHAKE WELL BEFORE USING  
PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS  
AND DOMESTIC ANIMALS

**WARNING:** Cause substantial but temporary eye injury. Do not get in eyes or on clothing. Wear safety glasses. May be harmful if swallowed. Prolonged or frequent repeated skin contact with this product may cause allergic skin reactions in some individuals. Wash thoroughly with soap and water after handling.

### DIRECTIONS FOR USE

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

**USE RESTRICTIONS:** For repelling eastern moles and Townsend's moles from lawns.

**MIXING DIRECTIONS:** Mix with water at a rate of one ounce of MOLE-MED per gallon of water. Use the DILUTION TABLE below to determine the amount of mixture to prepare for the area that you intend to treat. SHAKE MOLE-MED CONTAINER WELL BEFORE MIXING.

### DILUTION TABLE

| Amount of MOLE MED | Amount of Water | Area to be Covered |
|--------------------|-----------------|--------------------|
| 1 oz.              | 1 gal.          | 312 sq. ft.        |
| 2 oz.              | 2 gal.          | 624 sq. ft.        |
| 16 oz.             | 16 gal.         | 5,000 sq. ft.      |
| 32 oz.             | 32 gal.         | 10,000 sq. ft.     |

**LOCATING MOLES:** The presence of moles may be indicated by a network of surface ridges in the turf or by a series of conical mounds of earth pushed up from deep burrows. Treated all areas which show signs of moles' presence.

**APPLICATION DIRECTIONS:** Apply MOLE-MED with a hand-held sprayer or sprinkling can to entire area that is to be rid of moles or protected from moles. Cover treated area thoroughly with mixture of MOLE-MED and water. After treatment, water treated area with hose or sprinkler for an additional 25 minutes. Mole activity increases temporarily as moles leave the treated area. Cover the area to be treated thoroughly.

**STORAGE AND DISPOSAL:** Do not contaminate water, food or feed by storage or disposal.

**STORAGE:** Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Store in a cool, dry place, preferably stored in a locked storage area.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent) then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by burning. If burned, stay out of smoke.

**NOTICE:** Buyer assumes all responsibility for safety and use not in accordance with directions.

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