

JUN 15 1992

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Unicorn Laboratories  
1000 118th Avenue North  
St. Petersburg, FL 33716

Gentlemen:

Subject: Unicorn Malathion  
EPA Registration No. 28293-119  
Your Labeling Submitted February 7, 1992  
Include the Statement of Practical Treatment

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

1. Make the labeling changes listed below before you release the product for shipment bearing the revised labeling.
  - a. Delete the instructions to induce vomiting, since they conflict with the instructions not to induce vomiting unless directed by a physician.
  - b. Reinststate the following statement that appeared on your proposed label submitted December 6, 1991:

Do not induce vomiting or give anything by mouth to an unconscious person.

**BEST AVAILABLE COPY**

63605:1:EP50:Mail 2:EP14-2:EP14-2:EP14-2:06/03/92:07/02/92:DD

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

c. Add the following statement for indoor use of the product:

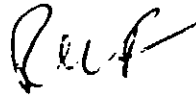
Use only with adequate ventilation.  
After using this product indoor,  
ventilate thoroughly before occupying  
enclosed spaces. Do not allow contact  
with treated surfaces until sprays  
have dried.

2. Submit two (2) copies of your final printed labeling before you  
release the product for shipment.

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

As stated in our letter of January 30, 1992, in the event that uses  
on your labeling are not supported by your supplier of malathion, they  
must be deleted from your label in accordance with the procedure set forth  
in PR Notice 91-1.

Sincerely yours,



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

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**UNICORN**

**MALATHION**

**Multi-Purpose Insecticide**

**Kills: Aphids, Red Spiders, Bagworms, White Flies,  
Fleas, and many other Insects that Harm Gardens and/or  
Pets and Livestock.**

**ACTIVE INGREDIENTS:**

Malathion: O,O-dimethyl dithiophosphate of  
diethyl mercaptosuccinate..... 50.0%

**INERT INGREDIENTS:\***..... 50.0%

100.0%

\* Contains Petroleum Distillate

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**See Back Panel for Additional Precautions**

**NET CONTENTS:**

**MANUFACTURED BY:**

Unicorn Laboratories  
1002 118th Avenue North  
St. Petersburg, Florida 33716

**ACCEPTED  
with COMMENTS  
in EPA Letter Data:**

**JUN 15 1992**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
28293-119

**EPA REG. NO. 28293-119 (E:1/18/89)**

**EPA EST. NO. 28293-FI-1**

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

**CAUTION:** Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after using. Harmful if swallowed. Avoid contamination of feed or food stuffs. Keep out of reach of children and domestic animals.

**Statement of Practical Treatment**

**IF SWALLOWED:** Contact a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching back of the throat with finger. Do not induce vomiting unless directed by a physician. Vomiting may cause aspiration pneumonia.

**IF INHALED:** Remove person to fresh air. Apply artificial respiration if indicated.

**IF ON SKIN:** Remove contaminated clothing and wash affected areas with plenty of soap and water.

**IF IN EYES:** Flush eyes with plenty of water. Call a physician if irritation persists.

**NOTE TO PHYSICIAN:** Malathion is a cholinesterase inhibitor. Atropine is antidotal. This product contains petroleum solvent. Vomiting may cause aspiration pneumonia.

**Environmental Hazards**

This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. 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 from treated areas may be hazardous to aquatic organisms in treated areas. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

Do not use, pour, spill or store near heat or open flame.

### DIRECTIONS FOR USE

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

**ORNAMENTALS** (Roses, Camellias, Azaleas, Gladiolus, and Evergreens): For Aphids, Rose Leafhoppers, Spider Mites, Thrips, Lace Bugs, White Flies, Mealybugs, use 2 teaspoons per gallon of water. For Japanese Beetle Adults, Tarnished Plant Bugs, Four-lined Leaf Bugs, Birch and Boxwood Leaf Miners, Scale Crawlers and Bagworms, use 4 teaspoons per gallon of water.

**VEGETABLES:** Apply 1 teaspoon per gallon of water on potatoes for Aphids, Leafhoppers and Mealybugs. Apply 2 teaspoons per gallon of water for the following vegetables and insects: Lettuce (aphids and Leafhoppers), Cabbage, Kale and Spinach (Aphids), Beans (Aphids, Spider Mites, Leafhoppers and Japanese Beetles), Cucumbers and Squash (Aphids and Spider Mites). **IMPORTANT!** Do not apply to Beans, Cucumbers and Squash within 1 day of harvest. Do not apply to Head Lettuce, Cabbage, Spinach and Kale within 7 days of harvest. Do not apply to Leaf Lettuce within 14 days of harvest. Do not apply to Peas within 3 days of harvest or within 7 days of harvest if treated vines are to be used to feed livestock.

### LIVESTOCK

#### BEEF AND NON-MILKING CATTLE

**LICE:** Dilute 4 ounces of this product with 3 gallons of water. Treat animals thoroughly.

**TICKS:** Dilute 4 to 9 ounces of this product with 3 gallons of water. Treat animals thoroughly. Repeat applications at 2 week intervals if needed.

**HORN FLY:** Dilute 4 to 7 ounces of this product with 3 gallons of water. Apply on back and neck of the animals and repeat applications at 10-14 day intervals. Do not treat animals under one month of age.

When applying sprays, avoid contamination of feed, food containers and watering troughs.

Do not apply to lactating dairy animals or non-lactating dairy animals within 2 weeks of freshening unless otherwise noted.

#### BACK RUBBING DEVICES

For the reduction of lice, apply a mixture of 2% Malathion (using this product) in fuel oil. There may also be a reduction in horn flies. These devices should be made continuously accessible one to each 35-45 head of cattle and retreated every 2-3 weeks.

**DO NOT MAKE ACCESSIBLE TO LACTATING DAIRY ANIMALS OR NON-LACTATING DAIRY ANIMALS WITHIN 2 WEEKS OF FRESHENING.**

HOGS

Lice: Dilute 4 ounces of this product with 3 gallons of water. Treat animals, pens and litter thoroughly.

Sarcoptic Mange: Dilute 4 ounces of this product with 3 gallons of water. Use extreme care to cover all body surfaces including the inside of the ears. Second treatment may be necessary in 10 days. Hogs should be kept out of sun and wind for a few hours after treatment.

SHEEP AND GOATS

Lice, Ticks and Keds: Dilute 4 ounces of this product with 3 gallons of water. Treat Animals thoroughly. Repeat application after 2 or 3 weeks if needed. Do not apply to milk goats.

FLEAS IN DOG KENNELS, YARDS AND ON DOGS

Spray infested areas with 10 tablespoons (5 ounces) this product in 1 gallon water at rate of 1 gallon mixture to 1,000 square feet. Remove manure and debris before spraying. Wet dogs with 2 tablespoons this product in 1 gallon water. Animals should be closely examined for fleas before retreating. Repeat treatment not more often than once every 2 or 3 weeks. Do not treat dogs under one month of age.

MOSQUITO CONTROL

Mosquito larvae in standing water - Apply this product at the rate of 1 pint (approximately 1/2 pound of Malathion) per acre. Mix in sufficient water or oil when applied by air or ground equipment. Outdoors - mosquitoes, flies, and small-flying insects. As a space spray, dilute this product 1 to 45 parts water, fuel oil or diesel oil. Apply at rate of 8 ozs. per 1000 sq. ft. Do not apply in food crop areas. Avoid applying oil-based formulations to valuable ornamental plants (such as Boston and Maidenhair and Pleris Fern, and some species of Crassula) as injury may occur.

FIELD AND GARDEN SEEDS

Field and garden seeds can be protected against the Cereal Leaf Beetle, Confused Flour Beetle, Flat Grain Beetle, Granary Weevil, Indian Meal Moth, Lesser Grain Borer, Maize Weevil, Red Flour Beetle, Rice Weevil, Rusty Grain Beetle and Saw-toothed Grain Beetle. Use a dosage of 1/2 pint of this product in 1-2 1/2 gallons of water per 440 bushels of seed. This product may be used under the requirement of the Khapra beetle quarantine, where water or diesel oil emulsions are indicated, as prescribed by the current quarantine instructions.

BEDBUGS

Dilute this product at the rate of 2-4 tablespoonfuls per 1 gallon of deodorized kerosene. Apply lightly to all mattress surfaces, in sufficient quantity to "mist" the fabric and generously to beds and woodwork with special care taken to wet all possible hiding places. Avoid contamination of food, foodstuffs, utensils, milk equipment and water. Repeat applications as necessary.

**GRAIN**

(Barley, Corn, Grain Sorghum, Oats, Rice, Rye, Wheat)

**RESIDUAL SPRAY-BEFORE STORING GRAINS:** For the control of Cereal Leaf Beetle, Confused Flour Beetle, Flat Grain Beetle, Granary Weevil, Indian Meal Moth, Lesser Grain Borer, Maize Weevil, Red Flour Beetle, Rice Weevil, Rusty Grain Beetle, Saw-toothed Grain Beetle. For a residual wall, floor and machinery spray in grain elevators, in treating truck beds, box cars and ships' holds before loading grain, use 1 pint per 3 gallons of water (or 6 oz. per 1 gallon of water) and make thorough application. Before applying spray, clean elevators, box cars, etc. thoroughly. Remove and burn all sweepings and debris.

**GRAINS GOING INTO STORAGE:** Apply 1 pint of this product in 2-5 gallons of water per 875 bushels. Apply as the grain is being loaded or turned into final storage.

**AFTER GRAINS ARE STORED:** To protect stored grains from attack by Indian Meal Moth, apply this product to the surface of clean or uninfested grain at the rate of 1/2 pint in 1-2 gallons of water per 875 square feet of grain surface area. Apply the spray evenly over the surface of the grain. Apply immediately after grain is loaded into storage and repeat if necessary.

**RESIDUAL SPRAY - BOX CARS FOR LOADING AND TRANSPORTING BAGGED FLOUR AND PACKAGED CEREALS:** For the control of Confused Flour Beetle, Rice Weevil, Granary Weevil, Saw-toothed Grain Beetle, Flat Grain Beetle, Red Flour Beetle, Rusty Grain Beetle, Lesser Grain Borer, Indian Meal Moth and mite pests infesting empty box cars into which bagged flour and packaged cereals are to be loaded and transported, apply this product as follows:

1. Clean the box car thoroughly, then remove and burn all sweepings and debris.
2. Spray walls and floor to the point of run-off with either 1 gallon of this product in 22 gallons of water or 1 gallon of this product in 16 1/2 gallons of deodorized kerosene. (The deodorized kerosene solution should be made up of 4 parts solvent).
3. Let the sprayed box car stand empty with the doors open until the spray has thoroughly dried.
4. Line the walls and floor of the box car with kraft paper before loading.

**STORAGE AND DISPOSAL**

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

**Storage:** Store in original container in a cool, locked storage area away from heat and open flame.

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

**Container** Do not reuse empty container. Wrap container in  
**Disposal:** newspaper and put in trash.