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8/9/2001

Page 1 of 6  
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

9 2001

AUG 9 2001

Ms. Barbara J. Varner  
Director/Regulatory Affairs  
Unicorn Laboratories  
12385 Automobile Blvd.  
Clearwater, FL 33762

Dear Ms. Varner:

Subject: PR Notice 2001-1 Labeling  
Unicorn Malathion 50% EC  
EPA Reg. No. 28293-291  
Your Application of February 7, 2001

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

Submit one copy of your final printed label incorporating the following corrections before you release the product for shipment.

1. Add the words, "or clothing" to the phrase, "If on skin:" on page 2 so that it reads as cited below.

If on skin or clothing:

2. Note the typo, "peacans" on page 4.

296

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

Sincerely,



Marilyn A. Mautz

Biologist

Insecticide-Rodenticide Branch

Registration Division (7504C)

3 7-6

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

AUG 9 2007

# UNICORN MALATHION 50% EC

For ornamental pest control, fruit tree insect control,  
Vegetable gardens and flower gardens.  
Home Greenhouse Plants  
FOR HOME AND GARDEN PEST CONTROL

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
28293-291

### ACTIVE INGREDIENT:

Malathion: 0,0 dimethyl phosphorodithioate of  
Diethyl mercaptocuccinate..... 50.00%

INERT INGREDIENTS:\* ..... 50.00%  
Total 100.00%

\*Contains Petroleum Distillate

KEEP OUT OF REACH OF CHILDREN  
**CAUTION**

See side/back label for additional Precautionary Statements

NET CONTENTS:

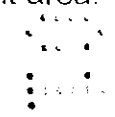
**MANUFACTURED BY:**  
Unicorn Laboratories  
12385 Automobile Blvd.  
Clearwater, FL 33762

### PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals

**CAUTION:** Harmful if swallowed. Avoid breathing spray mist or vapors. Avoid contact with skin. Wash thoroughly after handling and before eating or smoking. Avoid contamination of feed and foodstuffs. Do not treat areas frequented by children and do not allow children in treated areas until the spray has dried. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

### Environmental Hazards

This pesticide is toxic to fish, aquatic invertebrates and aquatic life stages of amphibians. Do not apply directly to water. Drift and runoff may be hazardous to aquatic organisms in areas near the application site. 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.



<b>FIRST AID</b>	
<b>If Swallowed:</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give <b>any</b> liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If in Eyes:</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on Skin:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If Inhaled:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>NOTE TO PHYSICIAN</b>	
Contains petroleum distillate – vomiting may cause aspiration pneumonia. Malathion is a cholinesterase inhibitor. Atropine is antidotal.	

**Physical or Chemical Hazards**

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.

**Do not apply this product through any type of irrigation system.**

**Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in home ornamental gardens and grounds.**

**OUTDOOR ORNAMENTAL INSECT CONTROL**

**WHERE TO USE:** May be used on a wide variety of flowers, shade trees and shrubs and for the insects as listed below. Due to possible plant injury do not use on the following plants: Ferns, Hickory, Viburnum, Lantana, Crassula, Cannarti, Juniper, Boston Ferns, Pteris Ferns, or Maidenhair Ferns, Petunia, Small Leaf Spirea, White Pine or Maples.

**HOW TO USE:** Mix the proper amount in a Hose-End Sprayer designed for use on Shrubs, or a hand pressure or pump sprayer. Thoroughly spray all portions of the plant; including stems, buds and the undersides of leaves. Repeat as needed for control.

**HOW TO MIX:** For all insects other than Pine Needle or Wax Scale use 2 tsp. In 1 gallon of water. For Pine Needle and Wax Scale use 4 tsp. In a gallon of water. Treat when insects are first seen and/or their damage is first noticed. Repeat as needed for control. Aphids, Bagworms, Birch Leaf Miner, Boxwood Leaf Miner, European Pine Shoot Moth, Four-lined Leaf Bug, Japanese Beetle Adult, Lace Bugs, Mealybugs, Oak Kermes\*, Potato Leafhopper, Rose Leafhopper, Scale Insects: Oyster Shell Scale\*, Euonymous Scale, Scurfy Scale, Azalea Scale, Magnolia Scale, Pine Leaf Scale, Fletchers Scale\*, Florida Scale\*, Juniper Scale\*, Black Scale Crawlers, Soft Brown Scale, Monterey Pine Scale, Pine Needle Scale, Wax Scale\*\*, Spider Mites, Tarnished Plant Bug, Tent Caterpillar, Thrips (exposed stages). \*Apply when Scale Crawlers have settled on the foliage. \*\*Apply in spring when crawlers are active. Repeat in 1 or 2 full coverage application at 10 day intervals.

**VEGETABLE GARDEN INSECT CONTROL**

**HOW TO SPRAY:** Mix the proper amount in a Hose-End Garden type sprayer or a hand held Garden pressure sprayer. Thoroughly mix and apply to all portions of the plant; undersides of leaves, stems and developing fruit. Do not spray blooms.

**WHEN TO USE:** Treat in the spring and/or when insects are first seen or their damage is noticed. Do not spray later than the days as shown in the "Preharvest spray interval" column. Repeat otherwise as needed. Do not apply to wet vine vegetables.

**HOW TO MIX:** Mix 2 teaspoonfuls per gallon of water.

VEGETABLE	INSECT PEST	PREHARVEST SPRAY INTERVAL
Beans	Aphids, Spider Mites, Cucumber Beetles, Leafhoppers	1 day
Celery	Aphids, Spider Mites	7 days
Cucumbers, Squash, Melons	Aphids, Spider Mites, Cucumber Beetles, Leafhoppers	1 day
Cabbage, Broccoli, Mustard, Turnips, Head Lettuce	Aphids, Imported Cabbage Worm, Cabbage Looper, Leafhoppers	7 days
Eggplant	Aphids, Spider Mites	3 days
Onions	Exposed Thrips	3 days
Peppers	Aphids	3 days
Potatoes	Aphids, Leafhopper, Mealy Bugs	0 days
Radishes	Aphids	7 days
Tomatoes	Aphids, Spider Mites	1 day

**Mixing Rate Comparisons:** 1 tsp/gal. = 1 Pt./100 gallons 2 tsp./gal = 2 Pts/100 gallons.

**FRUIT INSECT CONTROL**

To protect most fruit a regular spray schedule should be set at 10 to 14 day intervals after the trees have bloomed and the small fruit has formed. Consult your local Agricultural Extension Service for spray schedules and proper timing of applications for your locality.

**APPLES:** To control Aphids, Bud Moth, Forbes Scale, Codling Moth, Plum Curculio, Red Banded leafrollers and Spider Mites, mix 2 teaspoonfuls in 1 gallon of water. Make two or more applications for mites and one or more for aphids spaced at 7 to 10 day intervals or as schedule indicates for a "cover spray". Do not apply later than 3 days before harvest. This product may injure Cortland and McIntosh varieties in summer sprays.

**GRAPES:** For Leafhoppers, Spider Mites and Meal Bugs, mix 1 teaspoonful in 1 gallon of water. Do not apply later than 3 days before harvest. May cause injury to foliage of certain varieties. As a test,

spray several leaves of the plant first and observe in 2 to 4 days. If no damage occurs proceed with sprays.

**CHERRIES:** For Black Cherry Aphids and Fruit Tree Leafrollers, mix 1 teaspoonful in 1 gallon of water and thoroughly spray trees. Do not apply later than 3 days before harvest. May injure foliage in some varieties. Before making complete "cover spray" application, test spray as for grapes.

**PEARS:** To control Codling Moth, Fruit Tree Leafrollers, Pear Psylla, Plum Curculio, and Red Banded leafrollers, use 2 teaspoonfuls per gallon of water. Do not apply later than 1 day before harvest. May injure Bosc pears under certain conditions in the Northeastern States.

**PEACHES:** For Spider Mites, Oriental Fruit Moth and Plum Curculio, mix 2 teaspoonfuls in 1 gallon of water. Treat when damage is first seen or anticipated. Do not apply later than 7 days before harvest.

**STRAWBERRIES:** For control of Spider Mites and Aphids mix 1 teaspoonful in 1 gallon of water. Treat when insects first appear. Do not apply later than 3 days before harvest. **NOTE:** Do not apply when fruit is in bloom and bees are present. Plan on a regular spray application to fruit at 1 to 2 week intervals through the growing season to get best results.

**PEACANS:** Follow a suggested spray schedule to control Spider Mites, Aphids, Pecan Nut Casebearer and pecan Phylloxera. Mix 2 teaspoonfuls in 1 gallon of water and apply with a pressure sprayer. Treat when insects are first seen or their damage is anticipated.

**HOME CITRUS INSECT CONTROL:**

For use in Grapefruit, Kumquats, Lemons, Limes, Oranges and Tangerines. For control of Black Scale, California Scale, Citricola Scale, Soft Scale, and Yellow Scale mix 1 to 1½ teaspoonfuls per gallon of water. For control of Florida Red & Purpose Scale and the Mediterranean Fruit Fly, use 2 teaspoonfuls per gallon of water. For Thrips and Aphids use 1½ teaspoonfuls per gallon of water. This spray will also suppress Spider Mites that may be present. Apply spray to give thorough coverage of fruit and the upper and lower sides of leaves and twigs when insects are present or their damage is anticipated. Do not apply when trees are in bloom or within 7 days of harvest.

**For Use in the Home Greenhouse:**

When grown in a home greenhouse the following food plants may be treated for Aphids and Spider Mites when observing the pre-harvest spray interval as listed after the crops:

Beans	1 Day	Cucumber	1 Day
Egg Plant	3 Days	Head Lettuce	7 Days
Onion	3 Days	Pepper	3 Days
Tomatoes	1 Day		

Observe proper ventilation procedures and treat plants in early morning during cool temperatures. Mix 2 teaspoonfuls of this product in 1 gallon of water and thoroughly treat all portions of the plant. Certain vegetables (such as cucumbers) may be injured if sprayed when humidity and temperatures are very high. "Test spray" a leaf or two and observe later before applying to entire crop; otherwise treat only when greenhouse temperatures are moderate as 70 to 75° F.

**STORAGE AND DISPOSAL**

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

**STORAGE:** Store product in its original labeled container in a cool, dry, locked place out of reach of children. **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:** Do not reuse empty container. Wrap in several layers of newspaper and discard in trash.