

PM04

28293-291

6/19/98

S5-3742317



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
28293-291

Date of Issuance:
JUN 19 1998

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Term of Issuance:
Conditional

Name of Pesticide Product:
Unicorn Malathion 50% EC

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Unicorn Laboratories
12385 Automobile Blvd.
Clearwater, FL 33762

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 registered/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.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes before you release the product for shipment:

- a. Add the phrase, "EPA Reg. No. 28293-291 "
- b. In the Worker Protection Standard (WPS) exclusionary statements which appear on the bottom of page 2, delete the site, lawns and add the qualifier, home so that the sentence reads as follows: " For use on plants intended for aesthetic purposes or climatic modification and being grown in home ornamental gardens, and grounds."

Signature of Approving Official:

Date:

JUN 19 1998

247

3. Submit two copies of the revised final printed label 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 sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

Sincerely,



Marilyn Mautz
Biologist
Insecticide-Rodenticide Branch
Registration Division (7504C)

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.

Statement of Practical Treatment

IF SWALLOWED: Contact a physician or Poison Control Center immediately. Do not induce vomiting unless directed by a physician. Vomiting may cause aspiration pneumonia. Do not induce vomiting or give anything by mouth to an unconscious person.

IF IN EYES: Flush eyes with plenty of water. Get medical attention if irritation persists.

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

IF INHALED: Remove victim to fresh air and apply artificial respiration if indicated. Get medical attention.

NOTE TO PHYSICIAN: Malathion is a cholinesterase inhibitor. Atropine is antidotal. This product contains petroleum solvent. Vomiting may cause aspiration pneumonia. Gastric lavage indicated if product was swallowed.

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.

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 ornamental gardens, lawns 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.

4/7

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 teaspoonsful 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 teaspoonsful 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.

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

Some Citrus Insect Control:

For use on 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 teaspoonsful per gallon of water. For control of Florida Red & Purple Scale and the Mediteranean Fruit Fly, use 2 teaspoonsful per gallon of water. For Thrips and Aphids use 1½ teaspoonsful 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	Eggplant	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

7/7

2 teaspoonsful 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 temperature 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 70°F.

STORAGE AND DISPOSAL

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

Mal.50%EC -5-