



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

FEB 06 1997

Ms. Barbara J. Varner
Regulatory Affairs
Unicorn Laboratories
13535 Feather Sound Drive
Clearwater, FL 34622-5587

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Dear Ms. Varner:

Subject: Deletion of Unsupported Malathion Uses
Unicorn Malathion
EPA Reg. No. 28293-119
Labeling Submitted March 4, 1996
Federal Register Notice of March 18, 1991

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. Delete the following claims. Malathion is not being supported for these uses.

a. "grain sorghum" in the directions for use as a residual spray in empty grain storage facilities.

b. "bagged flour and packaged cereals" in the directions for use as a residual spray in empty box cars.

2. Add the following use restrictions to the directions for mosquito larvae. These restrictions are being required in lieu of conducting residue chemistry studies under 171-4 (Magnitude of the Residue in Fish and Shellfish and Magnitude of the Residue in Drinking and Irrigation Water).

"Broadcast use only over intermittently flooded areas. Application may not be made around bodies of water where fish or shellfish are grown and/or harvested commercially."

3. Add a statement prohibiting the grazing or feeding of the treated crop foliage by livestock in the directions for use on the crops, beans, and peas (vines/forage and straw/hay).

4. This product is subject to the Worker Protection Standard (WPS) and the labeling must bear the required WPS labeling

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statements as outlined in PR Notices 93-7 and 93-1. Since the release for shipment deadline has passed for products not bearing WPS statements, you cannot release the product for shipment unless the label has been revised to comply with the WPS labeling requirements.

Please note that since the label bears non-homeowner uses i.e. treatment of grain storage facilities; instructions for aerial application; and directions for use on an acreage basis, it does not meet the WPS criteria for a homeowner-use label.

If this condition is not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended label constitutes acceptance of this condition.

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

Sincerely,


William W. Jacobs, Ph. D.
Acting, Product Manager Team 14
Insecticide-Rodenticide Branch
Registration Division (7505C)

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UNICORN

MALATHION

Multi-Purpose Insecticide

Kills: Aphids, Red Spiders, Bagworms, White Flies,
and many other Insects that Harm Gardens

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
13535 Feather Sound Drive, Suite 400
Clearwater, Florida 34722-5587

ACCEPTED
with COMMENTS
& EPA Letter Dated
FEB 06 1997
EPA Regional Office for the Southeast
28293-119
EPA Reg. No. 28293-119

EPA REG. NO. 28293-119 (E:6/15/92)
DCI

EPA EST. NO. 62478-FL-1A
44616-MO-1B

Subscript used is first letter
of run code on container

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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. 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 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.

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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.

For Indoor Use of this product for the treatment of empty storage facilities before storing grains: Use only with adequate ventilation. After using this product indoors, ventilate thoroughly before occupying enclosed spaces. Do not allow contact with treated surfaces until sprays have dried.

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.

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 Pteris Fern, and some species of Crassula) as injury may occur.

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.

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RESIDUAL SPRAY - EMPTY 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.