

PM 14 1386-114

File 1045



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

**JAN 25 1994**

**Nik Ramswick  
Universal Cooperatives, Inc.  
P.O. Box 460  
7801 Metro Parkway  
Minneapolis, MN 55440**

**OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES**

**Subject: Label Amendment Submission of 8/10/93 in Response to PR Notice 93-7  
EPA Reg. No. 1386-114  
Malathion Insect Spray**

**Dear Registrant:**

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, **is accepted**. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

**WHAT THIS ACCEPTANCE MEANS:**

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

**WHAT YOU NEED TO DO NEXT:**

**Send to EPA one (1) copy of the final printed labeling:**

- **BEFORE** selling or distributing any product bearing the final printed labeling
- AND**
- **WITHIN** one year from date of this acceptance.



**Recycled/Recyclable  
Printed with Soy-Cerise Ink on paper that**

2015

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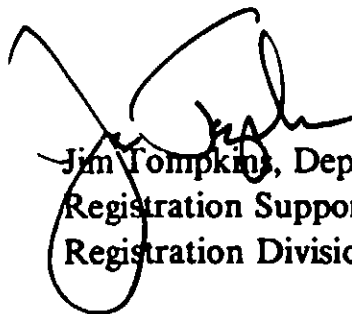
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs (7505C)  
U.S. Environmental Protection Agency  
401 M Street, SW  
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Attachment

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ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
JAN 25 1994

**MALATHION INSECT SPRAY**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
1386-114

For Insect Control On Vegetables And Ornamentals.  
Also Controls Mosquitoes And Fleas.

**FOR HOMEOWNER USE ONLY**



KEEP OUT OF REACH OF CHILDREN  
CAUTION  
See Side Panel For Additional Cautions

**ACTIVE INGREDIENT:**

Malathion: 0,0-dimethyl phosphoro-	
dithioate of diethyl mercaptosuccinate .....	51.3%
INERT INGREDIENTS* .....	48.7%
Total .....	100.0%

Contains 4.5 Pounds Malathion Per Gallon. \*Contains Xylene Range Aromatic Solvent.

Net Contents: 1 Gallon

EPA Reg. No. 1386-114  
EPA Est. No. 1386-0H-1



UNIVERSAL COOPERATIVES, INC., MINNEAPOLIS, MN 55440

**BEST AVAILABLE COPY**

4045

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

Harmful if swallowed. Avoid breathing spray mist or vapor. Avoid contact with skin; wash thoroughly after using. Avoid contamination of feed or foodstuffs.

**DO NOT USE, POUR, SPILL, OR STORE NEAR HEAT OR OPEN FLAME.**

**KEEP CONTAINER CLOSED WHEN NOT IN USE.**

This product is toxic to fish: Keep out of lakes, streams, or ponds. Do not apply where run-off is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

**DIRECTIONS FOR USE**

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

Mix this concentrate with water for application as a spray. Make thorough full-coverage applications of the spray. Repeat applications as stated for each crop or plant.

**VEGETABLE GARDEN CROPS AND ORNAMENTAL PLANTS**

Begin applications before insects become numerous. Protect plants throughout growing season by spraying at 5 to 10-day intervals and after heavy rains. Spray foliage and fruit evenly and thoroughly. Be sure to spray underside of leaves. Use 2 teaspoons per gallon of water to control: (1 3/4 to 2 pints per acre in the amount of water required for uniform thorough spraying):

**APHIDS** - On tomatoes, peas, cucumbers, squash, potatoes (white, sweet), peppers, eggplants, cabbage, broccoli, turnip, beets, kale, mustard greens, celery, Brussels sprouts, lettuce (head, leaf), beans, and spinach.

**TWO-SPOTTED SPIDER MITES** - On tomatoes, beans, eggplants, cucumbers, squash, and celery.

**LEAFHOPPERS** - On beans and potatoes (white, sweet).

**MEXICAN BEAN BEETLE** - On beans.

**IMPORTED CABBAGE WORMS AND DIAMONDBACK MOTH LARVAE**  
- On cabbage, broccoli, Brussels sprouts, cauliflower, and lettuce (head, leaf).

**ONION THRIPS** - On onions.

Do not apply to beans, cucumbers, squash or tomatoes within 1 day of harvest. Do not apply to broccoli, eggplants, green onions, peas, peppers, or turnips within 3 days of harvest. Do not apply to beets, cabbage, kale, mustard greens, Brussels sprouts, cauliflower, celery, or spinach within 7 days of harvest. Do not apply to head lettuce within 7 days or to leaf lettuce within 14 days of harvest. Apply to cucumbers only when the foliage is dry.

Use 2 teaspoons per gallon of water to control the following insects on Ornamental and Flowering Plants:

- |        |          |                         |                     |
|--------|----------|-------------------------|---------------------|
| Aphids | Leaf Bug | Mealybug                | Leafhoppers         |
| Thrips | Whitefly | Japanese Beetle (adult) | Tarnished Plant Bug |

Use 3 1/2 teaspoons per gallon of water to control the following insects on Ornamental and Flowering Plants:

- |                 |                   |                    |
|-----------------|-------------------|--------------------|
| Spider Mites    | Soury Scale       | Oyster Shell Scale |
| Azalea Scale    | Boxwood Leafminer | Soft Brown Scale   |
| Eunonymus Scale | Juniper Scale     | Monterey Scale     |

Most scale insects are easier to control if applications are made when "crawlers" are present. Weekly applications throughout the season are desirable.

For boxwood miner, it is preferable to apply spray before insects enter the leaves. Two or more applications may be necessary.

Do not use on Boston, Maidenhair, or Pteris ferns, or on Petunias; May cause injury to Crassula.

**BRAMBLES (BLACKBERRIES, BOYSENBERRIES, LOGANBERRIES, AND RASPBERRIES)** — To control two-spotted spider mites, thrips, leafhoppers, and Japanese beetle adults, use 3 teaspoons per gallon of water (3 pints per acre in the amount of water required for uniform thorough coverage).

To control aphids and rose scale, use 3 1/4 teaspoons per gallon of water (3 3/8 pints per acre in the amount of water required for uniform thorough coverage). Apply sprays to foliage when insects first appear, usually when plants begin to grow in spring, and repeat at 7 to 10-day intervals as necessary. Do not apply to blackberries, boysenberries, loganberries, and raspberries within 1 day of harvest.

**STRAWBERRIES** — To control aphids, spider mites, spittlebug, strawberry leafroller, leafhoppers, and whitefly, apply 3 teaspoons per gallon of water (1 3/4 to 3 3/8 pints per acre in the amount of water required for uniform thorough coverage of foliage). Apply when insects first appear, usually early in spring, and repeat as needed. Do not apply to strawberries within 3 days of harvest.

**MOSQUITOES**

To control adult mosquitoes outdoors, in backyards, in areas of ornamental shrubbery, and on lawns, use 1 part of this product mixed in 10 parts of water (approximately 4.6% Malathion) applied as a uniform thorough spray into and around the ornamental vegetation. If application by fogging is preferred, use 1 part of this product mixed in 10 parts of fuel oil, or diesel oil, applied as a uniform thorough fog to penetrate into and around the ornamental vegetation. Repeat applications as needed. Do not apply to areas where food or feed crops are growing. Do not apply oil mixture for fogging directly to ornamental plants. Fish in treated area may be killed if spray or fog contacts water where they live.

**STORAGE AND DISPOSAL**

**STORAGE:** Store product in original container and in a locked storage area. Do not store near heat or open flame. Do not store with or near feed or food products.

**PESTICIDE DISPOSAL:** Securely wrap original container in several layers of newspaper and discard in trash.

**CONTAINER DISPOSAL:** Do not reuse empty bottle. Rinse thoroughly before discarding in trash.

**WARRANTY AND LIMITATION OF DAMAGES**

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. Seller makes no other express or implied warranty, including any other express or implied warranty of fitness or of merchantability, and no agent of Seller is authorized to do so except in writing with a specific reference to this warranty. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.