



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

MAR 18 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 7/24/93 Response to PR Notice 93-7
EPA Reg. No. 1386-124
UNICO MALTHION- 5 EMULSIFIABLE CONCENTRATE

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 subject to the comments reflected on the enclosed sheet. 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:

By the next label printing make all the specified changes to your labeling. 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/Canola Ink on paper that
contains at least 50% recycled fiber

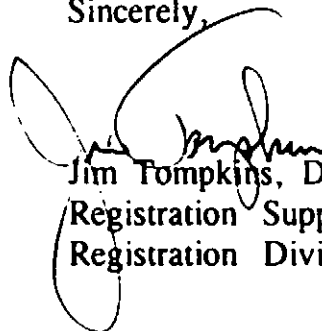
Submit the final printed labeling via the U.S. Postal Service to:

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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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

Nik Ramswick
UNIVERSAL COOPERATIVES INC
P.O. BOX 460 7801 METRO PARKWAY
MINNEAPOLIS MN 55440

Comment for: EPA Reg Nr.1386-124
UNICO MALATHION - 5 EMULSIFIABLE CONCENTRATE

The following specific comments pertain to your WPS
labeling submission concerning the product
cited above:

User Safety Recommendations must either be placed in a box
or printed on the label in a contrasting color from
surrounding text.

The Agricultural Use Requirements section must be located in
a clearly separate box on the product labeling -- with lines
or other graphic indicators (such as contrasting color) to
separate the section from the surrounding text.

The Non-Agricultural Use Requirements section must either be
placed in a box or printed on the label in a contrasting
color from the surrounding text.

Delete the crossed-out statements on your proposed label.
They are redundant statements or phrases.

Malathion-5

Emulsifiable Concentrate

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See Side Panel For Additional Precautionary Statements

ACTIVE INGREDIENTS:

Malathion: O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate	57.00%
INERT INGREDIENTS*	43.00%
Total:	100.00%

Contains 5 pounds of Malathion per gallon. *Contains xylene range aromatic solvent.

Net Volume: 2½ Gallons

EPA Reg. No. 1336-124
EPA Est. No. 1336 OH-1



UNIVERSAL COOPERATIVES, INC., MINNEAPOLIS, MN 55440

BEST AVAILABLE COPY

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Harmful if swallowed. Avoid breathing spray mist. Avoid contact with skin, eyes and clothing. Avoid contamination of feed and foodstuffs.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- *Long-sleeved shirt and long pants
- *Chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, or viton
- *Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

STATEMENT OF PRACTICAL TREATMENT

ORGANOPHOSPHATE

If on skin, wash affected areas with soap and water. If inhaled, remove victim to fresh air. Apply respiration if indicated. If in eyes, flush eyes for at least 15 minutes with water.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. Do not apply directly to water or wetlands (i.e., swamps, bogs, marshes, and potholes). 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 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.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

ACCEPTED
with COMMENTS
in EPA Letter Dated

MAR 18 1994

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

1386-124

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AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

*Coveralls

*Chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, or viton

*Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

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

Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

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Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must inform workers of areas or fields that may not be entered without wearing specific protective clothing until sprays have dried and of appropriate actions to take in case of accidental exposure (refer to Statement of Practical Treatment). When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: "CAUTION. Area treated with Malathion on (insert date of application). Do not enter without appropriate protective clothing until sprays have dried. In case of accidental exposure, follow these procedures: (insert information found under Statement of Practical Treatment).".

BERRIES, VEGETABLES, AND FIELD CROPS

Mix this concentrate with water as directed below for application as a spray, or mix with fuel oil for use in back rubber devices for beef cattle. Make thorough full-coverage applications of the spray and repeat applications as stated in all cases. DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.

BERRIES

BRAMBLES (BLACKBERRIES, BOYSENBERRIES, LOGANBERRIES, and RASPBERRIES)—To control mites, thrips, leafhoppers, Japanese beetle adults, aphids, and rose scale, use 3 pints per acre (in sufficient water for good 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 1 1/2 to 3 pints per acre in the amount of water required for uniform thorough coverage of foliage. Apply when insects first appear, usually early in the spring and repeat as needed. DO NOT APPLY TO STRAWBERRIES WITHIN 3 DAYS OF HARVEST.

VEGETABLE CROPS

To control the insects on the crops listed below, begin applications when insects first appear and repeat at 7 to 10-day intervals as necessary, using 1 1/2 to 2 pints (0.93 to 1.25 lb. Malathion) per acre in the quantity of water required for uniformly thorough coverage.

APHIDS - On beans, beets, broccoli, Brussels sprouts, cabbage, cauliflower, celery, cucumber, eggplant, kale, lettuce (head, leaf), mustard greens, peas, peppers, potatoes (white, sweet), spinach, squash, tomato and turnip.

LEAFHOPPERS - On beans, cucumber, celery, eggplant, squash, and tomatoes.

MEXICAN BEAN BEETLE - On beans.

IMPORTED CABBAGE WORM AND CABBAGE LOOPER - On broccoli, Brussels sprouts, cabbage, cauliflower, kale, lettuce (head, leaf), and mustard greens.

THRIPS On onions.

PEPPER MAGGOT - On peppers.

CUCUMBER BEETLES - On cucumbers and squash.

MEALYBUG - On potatoes (white, sweet).

PEAKEEVIL - On peas.

DROSOPHILA - On tomatoes.

DO NOT APPLY TO BEANS, CUCUMBERS, SQUASH, OR TOMATOES WITHIN 1 DAY OF HARVEST. APPLY TO CUCUMBERS ONLY WHEN THE FOLIAGE IS DRY. DO NOT APPLY TO BROCCOLI, PEPPERS, GREEN ONIONS, PEAS, OR TURNIPS (INCLUDING TOPS) WITHIN 3 DAYS OF HARVEST. DO NOT APPLY TO BEETS, BRUSSELS

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SPROUTS, CABBAGE, CAULIFLOWER, CELERY, KALE, MUSTARD GREENS, SPINACH OR HEAD LETTUCE WITHIN 7 DAYS OF HARVEST. DO NOT APPLY TO LEAF LETTUCE WITHIN 14 DAYS OF HARVEST.

FIELD CROPS

ALFALFA—To control aphids including spotted alfalfa aphid, leafhoppers, spider mites, spittlebug, and alfalfa weevil larvae, use 1 1/2 to 2 pints (0.93 to 1.25 lb. Malathion) per acre, in the amount of water required for uniform thorough coverage. Begin applications when insects first appear and repeat at 7 to 10-day intervals as necessary. Apply to alfalfa in bloom only in the evening or early morning when bees are not working in the field or are not hanging on the outside of hives. May be grazed or harvested on day of application.

GRASS CROPS —Grasshoppers and leafhoppers—Use at the rate of 1 1/2 to 2 pints (.93 to 1.25 lb. Malathion) per acre in quantity of water required for uniform thorough coverage. Armyworm—Use 2 pints (1.25 lbs. Malathion) per acre. Apply when larvae are small. A limitation of 7 days preharvest should be given.

GRAIN CROPS (Barley, Corn, Oats, Wheat)—Cereal Leaf beetle—Use at the rate of 1 to 1 1/2 pints (.625 to .93 lb. Malathion) per acre in quantity of water required for uniform thorough coverage. Green bugs and grasshoppers—Use 1 to 1 1/2 pints (.625 to .93 lb. Malathion) per acre. Make full coverage to hatching areas when nymphs are young. Armyworm—Use 2 pints (1.25 lb. Malathion) per acre in quantity of water required for uniform thorough coverage. Do not apply to Barley, Oats, and Wheat within 7 days of harvest. Do not apply to corn within 5 days of harvest.

ORNAMENTAL PLANTS

To control the following on ornamentals, mix the indicated dosage with 100 gallons of water. Apply spray when the insects are first observed and repeat as necessary.

OYSTER SHELL SCALE—1 pint. **APHIDS, SPIDER MITES, JAPANESE BEETLE ADULTS, LEAFHOPPERS, THRIPS, AND SCURFY SCALE**—1 1/2 pints. **BIRCH LEAFMINER, BOXWOOD LEAFMINER, AZALEA SCALE, PINE LEAF SCALE, AND MAGNOLIA SCALE**—2 pints. Do not use on Boston, Maidenhair, or Pteris ferns. Do not use on petunias. May cause injury to Crassula.

MOSQUITO CONTROL

ADULT MOSQUITO CONTROL—To control adult mosquitoes outdoors, in backyards, in areas of ornamental shrubbery, and on lawns, use a 2% to 5% area or fog spray. For a 2% spray, dilute 1 part Malathion-5 Emulsifiable Concentrate with 28 parts of water, fuel oil, or diesel oil. For a 5% spray, dilute 1 to 11. Apply water based spray uniformly, into and around the ornamental vegetation. Apply oil based fog to uniformly 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.

MOSQUITO LARVAE CONTROL—For control of mosquito larvae in standing water (intermittently flooded areas, stagnant water, temporary rain pools), apply 13 fluid ounces of Malathion 5 Emulsifiable Concentrate per acre, mixed in sufficient water or oil to obtain even coverage when applied by air or ground equipment. NOTE: Contamination of shallow, fish bearing waters may kill fish.

GRAIN

CLEAN-UP SPRAY (Before Storing Grain) —Since many of the insects which commonly infest grain in storage continue to live and breed in residues and debris, the bins, storage areas, elevators, and handling equipment such as trucks and conveyors should be thoroughly cleaned before storing the new crop. Remove and burn all sweepings and debris. The ground outside should be kept free of debris since this material also breeds insects.

Before the new grain go into storage, a spray made by mixing 1 gallon of this concentrate in 19 gallons of water (1 pint in 2 1/2 gallons) should be applied to walls, floors and ceilings of bins, warehouses, and other storage areas including farm storage. Spray also handling equipment and truck beds. Spray all surfaces to the point of runoff, making sure the spray is driven into joints, corners, cracks, and crevices where insects may be concealed.

PROTECTANT

STORAGE AND DISPOSAL

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

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or mislabeled is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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.

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