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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

Mr. Russell F. Sawyer  
Regulatory Affairs Manager  
Riverdale Chemical Company  
425 West 194th Street  
Glenwood, IL 60425-1584

FEB 10 1997

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Dear Mr. Sawyer:

Subject: Deletion of Unsupported Malathion Uses  
Riverdale ULV Malathion 95  
EPA Reg. No. 228-274  
Labeling Submitted January 13, 1995  
Federal Register Notices of March 18, 1991 and  
March 29, 1995

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. Correct the statement, "Harmful if swallowed." to read, "Harmful if swallowed, inhaled or absorbed through skin."

2. Add the following terrestrial use statement to the "Environmental Hazards" paragraph immediately before the sentence, "Do not apply \_ \_ \_ ." as was specified in the Malathion Registration Standard of 1988.

"Drift and runoff may be hazardous to aquatic organisms in areas near the application site."

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

4. Under the directions for use on barley, oats, rye, and wheat, reinstate the preharvest interval of 7 days as it appears on the current accepted label on file for the product which is date-stamped May 15, 1979.

5. Correct the Worker Protection Standard (WPS) labeling as described below.

a. Delete the entire paragraph titled "NON-WPS TURF USES" which pertains to PPE requirements for non-WPS uses. There are no directions for use of the product on turf. Furthermore, there are no separate PPE requirements for non-WPS uses. The PPE

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requirements for WPS uses would be considered to be normal work attire and would not be considered to be onerously overprotective for the non-WPS uses on your label. Refer to the enclosed copy of 40 CFR 156.212 regarding this issue.

b. Delete the heading, "WPS USES" from the paragraph immediately following the "NON-WPS TURF USES" paragraph and correct the rest of the paragraph by revising it to read as specified below. Retain the statements pertaining to the cleaning /maintaining of PPE and the engineering controls statements.

"PERSONAL PROTECTIVE EQUIPMENT: Some materials that are chemically 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, or Butyl Rubber, or Nitrile Rubber, or Vitron
- Shoes and socks."

c. In the "AGRICULTURAL USE REQUIREMENTS" box, correct the REI of 24 hours to a REI of 12 hours and correct the waterproof gloves to read, "chemical resistant gloves, such as Barrier Laminate, or Butyl Rubber, or Nitrile Rubber, or Vitron".

d. Delete the NON-AGRICULTURAL USE REQUIREMENTS box. The box contains the requirement, "Do not allow children in treated areas until surfaces are dry," Such a restriction is not a requirement for the non-WPS use sites appearing on the label which are the non-residential use sites, wastelands, roadsides, and soil bank lands for control of adult mosquitoes.

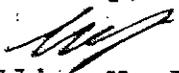
6. Correct the bee caution, "Do not apply this product or allow it to drift to blooming crops or weeds." to read as follows.

"Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the area."

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)

RIVERDALE  
ULV MALATHION 95

ACCEPTED  
with COMMENTS  
in EPA Letter Dated 3/10  
FEB 10 1997  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, this product is registered under EPA Reg. No. 228-274

A Premium Grade Malathion For Ultra Low Volume Application

An Insecticide For Use on Listed Vegetables and Field Crops  
Also Non Agricultural Use for Adult Mosquito Control

ACTIVE INGREDIENT		
Malathion	0,0-dimethyl phosphorodithioate of diethyl mercaptosuccinate	95.0%
INERT INGREDIENTS		5.0%
	TOTAL	100.0%

This product contains 9.79 lbs Malathion per gal

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION - CAUCION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle  
(If you do not understand the label, find someone to explain it to you in detail )

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONS  
AND STATEMENT OF PRACTICAL TREATMENT

NET CONTENTS GALS

EPA REG NO 228 274

EPA EST NO 228-IL-1

MANUFACTURED BY  
RIVERDALE CHEMICAL COMPANY  
GLENWOOD, ILLINOIS 60425 1584

Note Spanish language is optional

Revised A/O 12/8/94

## (Side Panels)

## PRECAUTIONARY STATEMENTS

## HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## CAUTION

Harmful if swallowed. Avoid breathing spray mists and avoid contact with skin.

**NON-WPS TURF USES:** Applicators and other handlers who handle this pesticide for any use NOT covered by the Worker Protection Standard (40 CFR Part 170) -- in general, only agricultural plant uses are covered by the WPS -- must wear: Personal Protective Equipment not required.

**WPS USES:** Personal Protection Equipment - Applicators and other handlers who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR Part 170) -- in general, agricultural plant uses are covered -- must wear: long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks. Follow manufacturers instructions for cleaning/maintaining Personal Protective Equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Engineering Controls Statements:** When handlers use closed systems, enclosed cabs, or aircraft in a manner that meet the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

## USER SAFETY RECOMMENDATIONS

**USERS SHOULD:** Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

## STATEMENT OF PRACTICAL TREATMENT

## Organophosphate

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Induce vomiting, by giving victim one or two glasses of water and insert finger in back of throat. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

**NOTE TO PHYSICIAN:** Malathion causes cholinesterase inhibition. Atropine is antidotal.

**IF INHALED:** Remove victim to fresh air. Apply respiration if indicated.

**IF ON SKIN:** Wash immediately with plenty of soap and water.

**IF IN EYES:** Flush eyes with plenty of water. Call a physician immediately.

## ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Do not apply this product through any type or irrigation system.

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.

## PHYSICAL OR CHEMICAL HAZARDS

Spray droplets of this product undiluted can permanently damage automobile paint. Care must be taken not to spray automobiles. If accidental exposure occurs, the car should be washed immediately.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

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

## 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 24 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, waterproof gloves, and 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. Do not allow children in treated areas until surfaces are dry.

ULV Malathion 95 is used undiluted in specially designed aircraft or ground equipment capable of applying ultra low volumes for control of the insects indicated below. Aerial applications are most effective when made at a boom height of 5 feet and a swath width of 50 feet. Do not make application when winds exceed 5 mph.

Mist blowers and boom sprayers utilizing a controlled air flow to facilitate particle size and spray deposition may be used at a vehicle speed of 4 to 10 mph.

Mist blowers with a pump capable of producing up to 40 psi and blower speeds of 3600 rpm are satisfactory. Use flat fan nozzles, 8001 to 8002, placed 30° into air blast of rotary atomizers into the air blast that produce an efficient spray particle with a mass medium diameter of 40 to 100 microns. Swath widths should not exceed 30 feet, and applications should not be made when winds exceed 5 mph.

Boom sprayers with a filtered rotary air compressor either PTO or gas engine driven or an air pump capable of producing at least 12 psi are satisfactory. Use air pressure on chemical tanks and an accurate metering valve to assure a calibrated flow of the liquid mixture. Pneumatic-type spray nozzles, as suggested by equipment manufacturer, should be used for spray particles with mass medium diameter of 30 to 100 microns. Applications should not be made when winds exceed 5 mph.

Repeat applications should be made as necessary unless otherwise specified.

Consult your State Experiment Station or State Extension Service for proper timing of sprays.

**ALFALFA & CLOVER:** To control Grasshoppers, Alfalfa weevil larvae, and Armyworms, use 8 fluid oz. of ULV Malathion 95 per acre. Treat in Spring when crop is 2 to 6 inches high or when infestation is noticed. Do not apply during full bloom. No time limitation required between treatment and harvest provided treatment does not exceed 8 oz. per acre. In case of severe infestation, use 8 to 16 fluid ounces of ULV Malathion 95 per acre. When using more than 8 oz. per acre, allow 5 days between treatment and harvest.

**BARLEY, OATS, RYE, WHEAT:** To control Cereal leaf beetle, use 4 to 8 fluid oz. on days of harvest or grazing.

**BEANS (LIMA, GREEN, SNAP, NAVY, RED KIDNEY, WAX, DRY, BLACKEYE):** To control Mexican bean beetle, Japanese beetle and Leafhoppers, use 8 fluid oz. of ULV Malathion 95 when infestation is noticed. Make one or more applications as necessary. Do not apply within 1 day of harvest.

**CORN (FIELD, POP AND SWEET):** To control Cereal leaf beetle, use 4 to 8 fluid oz. ULV Malathion 95 per acre, repeating treatment if necessary. Do not treat within 5 days of harvest of grain or forage use.

**COTTON:** In early season to control Thrips, Fleahoppers and Leafhoppers, use 4 to 8 fluid oz. of ULV Malathion 95 per acre. To control Boll weevil during early to mid-season, use 8 to 12 fluid oz. ULV Malathion 95 per acre. For late season control of Boll weevil, increase dosage to 16 fluid oz. per acre.

To control Grasshoppers, use 8 fluid oz. per acre.

To control Lygus bugs, use 8 to 12 fluid oz. per acre. For very heavy migrating populations, increase dosage to 16 fluid oz. per acre.

Repeat treatments as necessary up to harvest.

**GRASS CROPS (GRASS AND GRASS HAY):** To control Grasshoppers, use 8 to 10-1/2 fluid oz. of ULV Malathion 95 per acre. Repeat applications may be needed after hatching and before movement to crops takes place. No time limitation between treatment and harvesting of hay or grazing.

**RICE (GRAIN FORM):** To control Rice stink bug, use 8 fluid oz. of ULV Malathion 95 per acre making application during the early milk and dough stage of growing rice. Broadcast used only over intermittently flooded areas. Application may not be made around bodies of water where fish or shellfish are grown and/or harvested commercially.

**ADULT MOSQUITO CONTROL:** Use 2 to 4 fluid oz. of ULV Malathion 95 per acre to control adult mosquitoes on non-agricultural lands (wastelands, roadsides, soil bank lands). Repeat applications as necessary.

#### STORAGE AND DISPOSAL

**STORAGE:** Store in a cool, dry area. Always store pesticides in a secured warehouse or storage building. Do not store near seeds, fertilizers, insecticides or fungicides. Keep containers closed and away from heat, sparks and open flame. Containers should be opened in well-ventilated areas. Do not contaminate water, feed or foodstuffs by storage or disposal.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. If container is damaged or if pesticide has leaked, contain all spillage. Absorb and clean up all spilled material with granules or sand. Place in a closed labeled container for proper disposal. Apply liquid household bleach to contaminated area. Scrub thoroughly using long handled brush. Let stand for 15 minutes. Wash area thoroughly with water.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

**NOTICE:** Follow directions carefully. Local conditions may affect the use of this chemical. Timing and method of application, weather and crop conditions, mixing with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage and handling of the material not in strict accordance with directions given herewith.

(DCI 061592/RV 120894) (PR933&11 042194)