

228-68

PM-16

9/17/89

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(Front Panel)

RIVERDALE

MALATHION 5

An Insecticide and Miticide For Use on Listed Vegetables,  
Fruits, Field Crops, Ornamentals, Households,  
Pets, Animals and Other Sites

ACTIVE INGREDIENT:

Malathion: 0,0-dimethyl phosphorodithioate of diethyl mercaptosuccinate ... 57.0%

INERT INGREDIENTS: ..... 43.0%

TOTAL ..... 100.0%

(Contains 5 lbs. premium grade Malathion per gal.)

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONS  
AND STATEMENT OF PRACTICAL TREATMENT

NET CONTENTS GAL.

EPA REG. NO. 228-68

EPA EST. NO. 228-IL-1

Manufactured By

RIVERDALE CHEMICAL COMPANY

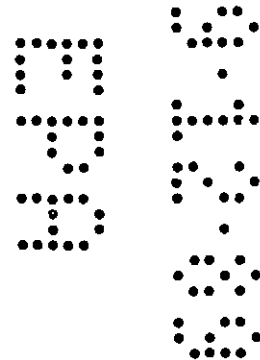
Glenwood, Illinois 60425-1584

(Right Side Panel)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION



Harmful if swallowed. Avoid breathing spray mists and avoid contact with skin.  
Wash thoroughly after handling. Avoid contamination of feed or foodstuffs. Do not  
allow children in treated areas until surfaces are dry.

Not Reviewed. Registrant claims to be in accordance with  
EPA's Pesticide Product Guidance for Phase 2  
Response. Page 2 12, Active to Inert Change in Status.

## STATEMENT OF PRACTICAL TREATMENT

- IF SWALLOWED: Call a physician or Poison Control Center immediately. Gastric lavage is indicated if material was taken internally. DO NOT INDUCE vomiting unless other treatment is not available. Vomiting may cause aspiration pneumonia. If it is necessary to induce vomiting, give 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. 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. Do not apply this product through any type of irrigation system. This product is highly toxic to bees exposed to direct treatment on blooming crops weeds. Do not apply if bees are visiting the treatment area. Do not apply when weather conditions favor drift from treated areas.

## 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.

## RE-ENTRY STATEMENT

Do not apply malathion 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 re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to the workers who are expected to be in treated area or in an area to be treated with this product. When oral warnings are given, warnings shall be given in 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 or oral warnings must include the following information: "CAUTION, Area to be treated with malathion date of application. Do not enter without appropriate protective clothing until sprays have dried." Or in the case of citrus, grapes, nectarines and peaches, "Do not enter treated areas to perform activities that involve substantial or prolonged contact with treated foliage for 1 day."

NOTE: When using indoors - 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.

## (Back Panel)

The following are general recommendations for the use of Riverdale Malathion 5 for home and garden use. THE RECOMMENDATIONS ARE BASED ON MAKING 1 GALLON OF SPRAY. SPRAY THOROUGHLY AND REPEAT APPLICATIONS AS NECESSARY.

## VEGETABLE APPLICATIONS

- CELERY - For aphids and spider mites use 1 teaspoonful, 1 pint per acre. Do not apply later than 7 days before harvest.
- BEANS - Use 1 teaspoonful, 1 pint per acre, for leaf hoppers, Mexican bean beetle, and spider mites. Do not apply later than 1 day before harvest.
- BEETS, BRUSSELS SPROUTS - For aphids use 2 teaspoonfuls, 2 pints per acre. Do not apply later than 7 days before harvest.
- CABBAGE, BROCCOLI, TURNIP, KALE AND MUSTARD - Use 1 teaspoonful, 1 pint per acre, for aphids, imported cabbage worms, and cabbage loopers. Do not apply later than 7 days before harvest. In case of Broccoli and Turnip, not later than 3 days before harvest.
- CUCUMBERS, SQUASH AND MELONS - For aphids and spider mites use 1 teaspoonful, 1 pint per acre. Do not apply to cucurbits unless plants are dry, and not later than 1 day before harvest.
- EGGPLANT - Use 1 teaspoonful for aphids and spider mites. For lace bugs use 3 teaspoonfuls, 3 pints per acre. Do not apply later than 3 days before harvest.
- LETTUCE, SPINACH - For aphids and leaf hoppers use 2 teaspoonfuls, 2 pints per acre. Do not apply later than 14 days before harvest, 7 days for Head Lettuce and Spinach.
- ONIONS - For onion thrips use 1 teaspoonful, 1 pint per acre. Do not apply later than 3 days before harvest.
- PEAS, PEPPERS, RUTABAGAS - Use 1 teaspoonful, 1 pint per acre, for aphids. Do not apply later than 3 days before harvest.
- POTATOES - For aphids and leaf hoppers use 1 teaspoonful, 1 pint per acre.
- TOMATOES - For aphids and spider mites use 1 teaspoonful, 1 pint per acre. Do not apply later than 3 days before harvest.

## FRUIT INSECTS

- APPLES - To control aphids, bud moth, forbes scale, codling moth, plum curculio, red-banded leaf roller and spider mites, use 2 teaspoonfuls in 1 gallon of water. Do not apply later than 3 days before harvest. This product may injure McIntosh and Cortland varieties in summer sprays.
- GRAPES - For leaf hoppers, spider mites, mealybugs, use 1 teaspoonful in 1 gallon of water. Do not apply later than 3 days before harvesting. May cause injury to foliage on some varieties.
- CHERRIES - Use 1 teaspoonful in 1 gallon of water, for black cherry aphids and fruit tree leaf rollers. Do not apply later than 3 days before harvest. May injure foliage on some varieties.
- PEARS - To control codling moth, fruit tree leaf roller, pear psylla, plum curculio and red-banded leaf roller, use 2 teaspoonfuls in 1 gallon of water. Do not apply later than 1 day before harvest. May cause injury on Bosc pears under certain conditions in the Northeast.
- PEACHES - For spider mites, oriental fruit moth, and plum curculio, use 2 teaspoonfuls in 1 gallon of water. Do not apply later than 7 days before harvest.
- PLUMS AND PRUNES - For mealy plum aphids, use 1 teaspoonful in 1 gallon of water. Do not apply later than 3 days before harvest.
- STRAWBERRIES - To control spider mites and aphids use 1 teaspoonful in 1 gallon of water. Do not apply later than 3 days before harvest.

## DIRECTIONS FOR USE CONTINUED

## FIELD CROPS

Dosages given are for coverage of 1 acre in sufficient water for good coverage - usually a minimum of 20 gallons.

CLOVER-ALFALFA - To control aphids, potato leaf hopper, spider mites, alfalfa weevil larvae and spittlebug, use 1-1/2 - 2 pints. Do not apply to alfalfa or clover in bloom. Do not apply within 7 days of harvest or pasturing. Make repeat applications as needed.

BARLEY, CORN, OATS, WHEAT, RYE - To control cereal leaf beetle, English grain aphid, greenbugs, armyworms, young grasshoppers, use 1-1/2 pints in sufficient water to cover 1 acre. Make no application on barley, oats, wheat and rye within 7 days of harvest or forage use. No application on corn within 5 days of harvest or forage use.

STORED GRAIN CONTROL - To control red flour beetle, saw-toothed grain beetle, confused flour beetle, rusty grain beetle, rice weevil, granary weevil, lesser grain borer, Indian meal moth and flat grain beetle, apply 1 pint in 2-5 gallons water per 1,000 bushels of grain.

APPLICATION IN STORAGE BINS - Use 1/2 pint in 1 gallon of water per 1,000 square feet of clean, uninfested grain. Apply evenly over the surface immediately after grain is loaded into storage. Repeat if necessary; as a residual spray on walls, floors and machinery, grain elevators, truck beds, box cars and ships' holds before loading grain, apply 1 gallon in 25 gallons water making a thorough application. Before application, clean storage area thoroughly. Remove and burn all sweepings and debris.

## ORNAMENTAL INSECTS

For use on flowers, shrubs and shade trees. To control aphids, birch leaf miners, flour-lined leaf bug, Japanese beetle adults, lace bugs, leaf hoppers, mealybugs, tarnished plant bugs, thrips, Whitefly, and European pine shoot moth, use 1 teaspoonful in 1 gallon of water.

To control bagworms, boxwood leaf miners, oak kermes, tent caterpillar, azalea scale, black scale, crawlers euonymus scale, fletcher scale, juniper scale, leaf scale, magnolia scale, oyster shell scale, scurfly scale, soft brown scale and spider mites, use 2 teaspoonfuls in 1 gallon of water.

Use 4 teaspoonfuls in 1 gallon of water for the pine needle scale.

Injury may occur on certain ferns, and some species of crassula.

## HOUSEHOLD INSECTS

Use 3 tablespoonfuls of this product in 1 quart of water, and apply as coarse spray or brush on window sills, baseboards, drainboards, under sinks and stoves, cracks and crevices, to control roaches, ants, spiders, silverfish, crickets, clover mites and earwigs. Use as spot treatment only.

Be careful not to contaminate food or utensils. Water base sprays may stain finished surfaces. Repeat applications as necessary.

## ANIMAL PESTS

For fleas on dogs and cats, use 2 oz. of this concentrate in 1 gallon of water. Use a hand sprayer and wet animal thoroughly. Animals that are not confined should be re-examined closely every 3 weeks or so, and treated if needed.

For animal quarters, use 1-1/4 oz. in 1 quart of water and spray under porches, bins, garages and kennels, etc.

**STORAGE AND DISPOSAL**

**STORAGE:** Store in a cool, dry area. Always store pesticides in a secured warehouse of 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 on on site or at an approved 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.

(Black ink on yellow paper)

