

ACCEPTED  
JUL 31 1986  
U.S. Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 72-313



# MALATHION "8" E.C.

**ONLY FOR SALE TO, STORAGE AND USE BY PROFESSIONAL SERVICE  
PERSON OR FOR AGRICULTURAL USES.  
AN EMULSIFIABLE LIQUID AGRICULTURAL INSECTICIDE  
CONTAINING APPROXIMATELY 8 LBS. MALATHION PER GALLON.**

|  |           |
|--|-----------|
| ACTIVE INGREDIENTS:  | BY WEIGHT |
| Malathion (O, O-dimethyl dithiophosphate of diethyl mercaptosuccinate) ..... | 80%       |
| INERT INGREDIENTS: .....   | 20%       |
| Total .....  | 100%      |

EPA Reg. No. 72-313

EPA Est. No. 72-PA-1

**KEEP OUT OF REACH OF CHILDREN  
CAUTION CAUCIÓN**

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicado ampliamente.

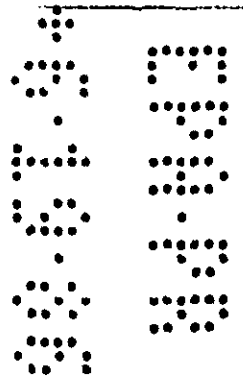
**STATEMENT OF PRACTICAL TREATMENT**

IF SWALLOWED: Call a physician or Poison Control Center immediately. Do not induce vomiting. Do not give anything by mouth to an unconscious person.  
IF INHALED: Remove victim to fresh air.  
IF ON SKIN: Remove contaminated clothing and wash affected area with soap and water. Launder clothing before reusing.  
IF IN EYES: Flush with plenty of water. Call a physician.  
NOTE TO PHYSICIAN: Malathion may cause cholinesterase inhibition. Atropine is antidotal. 2 PAM may be an effective adjunct to atropine.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

**MILLER CHEMICAL & FERTILIZER CORPORATION  
Hanover, Pennsylvania 17331**

- NET CONTENTS:**
- 2½ GALLONS LIQUID
  - 5 GALLONS LIQUID
  - 55 GALLONS LIQUID



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

—Harmful if swallowed, inhaled or absorbed through the skin. May cause irritation of eyes, nose, skin and throat. Avoid contact with eyes, skin, and clothing. Avoid breathing vapors or spray mist. Wear gloves and long-sleeved work clothing. Change to clean clothing daily. Wash thoroughly after handling. Wash hands and face before eating or smoking. Keep pets and children out of treated areas until spray dries. Avoid contamination of feed and foodstuffs. Food utensils such as a teaspoon or measuring cup should not be used for food after use with a pesticide. DO NOT Allow Entry into Treated Areas Until Spray has settled unless full protective clothing is worn.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Use with care when applying in areas adjacent to any body of water. Do not apply directly to any body of water or wetlands. Do not apply when weather conditions favor drift from target areas. Do not contaminate water by cleaning of equipment or disposal of waste. This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting the crop, cover crop, or weeds blooming in the treated area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use, pour, 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.

**STORAGE & DISPOSAL**

**STORAGE:** Do not contaminate water, food or feed by storage or disposal. Store in the closed, original container in a locked area away from children and domestic animals. Store in a cool, dry place. Avoid excessive heat. Open container carefully.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

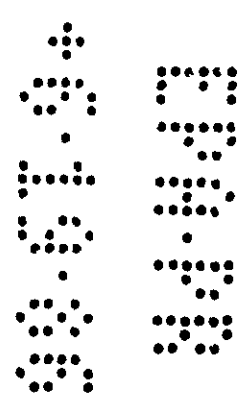
**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Do not cut or weld metal containers. Do not reuse empty container.

**DIRECTIONS**

MILLER MALATHION "8" E.C. contains approximately 8 lbs. of Malathion per gallon. For accurate measurement use a container marked to fluid ounces.

|                                |                   |            |                   |
|--------------------------------|-------------------|------------|-------------------|
| 2 level standard tablespoonful | = 1 fluid ounce   | 1 pint     | = 16 fluid ounces |
| 1/2 pint                       | = 8 fluid ounces  | 1 1/4 pint | = 20 fluid ounces |
| 5/8 pint                       | = 10 fluid ounces |            |                   |

For Small Amounts: 1 tsp. per gal. is equal to 1 pt. per 100 gals. of water. Use 1 gal. dilute spray for 430 sq. ft. of planted area. Mix MALATHION "8" into spray tank by pouring a measured amount into the full amount of water while agitator is in motion. Make first application when insects are first noted and repeat application in 7 to 10 days as necessary. State Agricultural Experiment Station may issue recommendations as to proper timing of sprays to control specific insects in your area.



### RE-ENTRY AND ADDITIONAL APPLICATION RESTRICTIONS FOR AGRICULTURAL CROPS REQUIRING FARMWORKER HAND LABOR TASKS

Do not apply this product in such a manner as to directly, or through drift, expose workers or other persons. The area treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing, until sprays have dried. Protective clothing means at least a hat or other suitable head covering, a long-sleeved shirt and long-legged trousers or a coverall type garment (all closely woven fabric covering the body), shoes and socks.

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 workers who are expected to be in treated area or in an area about to be treated with this product. Instruct workers of the area or fields that must be vacated and not re-entered until the sprays have dried. Acquaint workers with the information appearing on this label under "Hazards to Humans and Domestic Animals" and "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: 1) The name of this product; 2) Date of application; 3) The statement: "Do not enter without appropriate protective clothing until sprays have dried." 4) The information given under "Hazards to Humans and Domestic Animals" and "Statement of Practical Treatment" that is appropriate in case of accidental exposure.

### DIRECTIONS FOR USE ON AGRICULTURAL CROPS REQUIRING FARMWORKER HAND LABOR TASKS

**APPLES AND PEACHES:** For Control of Spider Mites, European Red Mite, Two-spotted Mite, Williamette Mite and Clover Mite: Make two or more applications as needed, of a spray containing 5/8 to 1 1/4 pints per 100 gallons of water. For certain mites, such as Two-spotted and Williamette, use at least two applications 10 to 12 days apart during Summer months. Do Not apply to Apples within 3 days of harvest. Do Not apply to Peaches within 7 days of harvest.

**APPLES:** For control of Forbes Scale, Woolly Apple Aphid, Green Aphid and Rosy Aphids. Make one or more applications, as needed, of a spray containing 5/8 to 1 pint per 100 gallons of water. Do Not apply to Apples within 3 days of harvest.

**ALFALFA AND CLOVER:** For Control of Aphid, Potato Leafhopper, Spittlebugs, Spider Mites, Alfalfa Weevil Larvae and Grasshoppers: Apply 1 to 1 1/4 pints per acre in sufficient water for coverage. Repeat as needed. Do not apply within 7 days of harvest or pasturing.

**ASPARAGUS:** For Control of Asparagus Beetle: Apply 1 1/4 pints per acre in sufficient water for coverage. Repeat as needed. Do Not apply to Asparagus within 3 days of harvest.

**BEANS:** (Snap and Lima): For Control of Mexican Bean Beetle, Spider Mites and Leafhopper: Apply 1 pint per acre in sufficient water for coverage. Repeat as needed. Do Not apply to Beans within 24 hours of harvest.

**BLUEBERRIES, BLACKBERRIES, RASPBERRIES, STRAWBERRIES:** Apply directed volume of Malathion "8" E.C. per acre in sufficient volume of water to get good coverage. **GROUND APPLICATION:** Usually 100 gallon spray mixture. **AERIAL APPLICATION:** 2.10 gallons spray mix per acre. **Blackberries, Blueberries:** To control Mites, Japanese Beetle (adult), Leafhoppers, Blackheaded Fireworm, and Spittlebug Nymphs: Apply 1 pint per acre. Do not apply during bloom or berry-set period. **Raspberries and Strawberries:** Use 1 to 2 pints per acre. To control Aphids, Whiteflies, Spider Mites, Spittlebug, Thrips (exposed stages), Potato Leafhopper, Strawberry Leaf Rollers, Lygus Bug, and Field Crickets. Do Not apply within 1 day of harvest for Blackberries, Blueberries, and Raspberries. Do Not apply within 3 days of harvest for Strawberries.

**CABBAGE, CAULIFLOWER, BROCCOLI, BRUSSELS SPROUTS, KALE AND OTHER COLE CROPS:** For Control of Aphid, Cabbage Looper and Imported Cabbage Worm: Apply 1 1/4 pints per acre in sufficient water for coverage. Repeat as needed. Do Not apply to Broccoli within 3 days of harvest. Do Not apply to Cabbage, Cauliflower, Brussels Sprouts, Kale and Other Cole Crops within 7 days of harvest.

**CORN (Field and Sweet):** For Control of Sap Beetle and Thrip: Apply 1 1/4 pints in 25 or more gallons of water per acre for uniform coverage. Repeat as needed. Do not apply within 5 days of harvest or forage use.

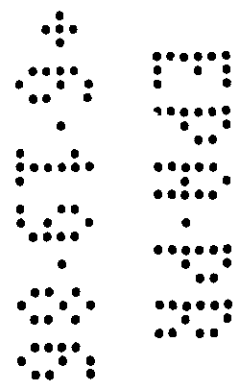
**MUSHROOMS:** To control PHORID and SCIARID FLIES during cool down for spawning and after air temperature drops to 80°F. Apply by watering into beds at the rate of 1/4 fl. oz. diluted in 3 gallons of water per 1,000 sq. ft. of bed. For SCIARID FLIES also apply the same rate after casing. To control PYEMODIA MITES, spray up to 1 day of harvest at the dilution of 1/2 oz. in 3 gallons of water applied to 1,000 sq. ft. of bed. For FLY control on compost warts, apply Malathion diluted 1 to 400 with water.

**PEAS:** For Control of Pea Aphid: Apply 1 pint per acre in sufficient water for coverage. Repeat as needed. Do Not apply to Peas within 3 days of harvest.

**POTATOES:** For Control of Leafhopper and Aphid: Make one or more applications, as needed, of a spray containing 1 pint per acre in sufficient water for coverage.

**TOMATOES:** For Control of Aphid, Russett and Spider Mites: Make one or more applications, as needed, of a spray containing 1 pint per acre in sufficient water for coverage. Do Not apply to Tomatoes within 3 days of harvest.

**ORNAMENTALS:** **AZALEAS:** For Control of Spider Mite and White Flies: Use 1 pint in 100 gallons of water. **ROSES:** For Control of Aphid, Japanese Beetle, Tarnished Plant Bug and Rose Leafhopper: Apply as a spray containing 1 pint per 100 gallons of water when insects appear and repeat at 7 to 10 day intervals if necessary. **NOTE:** Injury may occur on certain ferns, including Boston, Maiden Hair and Pteris, as well as some species of Crassula.



### DIRECT APPLICATION TO LIVESTOCK

**CATTLE:** For Control of Lice on Beef Cattle: Use 5 pints per 100 gallons, or 1 3/5 tablespoonful per gallon of water. Apply a complete coverage spray. Repeat application in 14 days if necessary. Do NOT apply to dairy animals. Do not use on calves less than 1 month old. Do not contaminate feed, food containers and watering troughs when applying sprays.

**BACK RUBBING DEVICES:** For reduction of Lice and Hornflies: Beef Cattle: Apply 5 pints per 33 gallons of Fuel Oil to Back Rubbing Devices (One Back Rubbing Device to each 35 or 45 head of cattle; these rubbers should be continuously accessible). Do NOT use on dairy animals.

**SWINE:** For Control of Lice: Use 5 pints per 100 gallons of water. Apply as a complete coverage to animals, pens and litter. One treatment may be sufficient. Repeat application only if needed.

**POULTRY: CHICKENS, DUCKS, GOOSE AND TURKEYS:** Direct application, for Control of Northern Fowl Mite, Poultry Lice, and as a supplement to premise treatments for Chicken Red Mite: Mix 1 1/4 tablespoonful per 1 gallon, or 3 1/5 ounces per 5 gallons, or 4 pints per 100 gallons of water. Spray 1 gallon of dilute mixture per 100 to 150 birds. Repeat in 4 to 8 weeks if necessary.

**POULTRY HOUSES: SPRAYS:** For Control of Northern Fowl Mite, Chicken Red Mite, Poultry Lice and Flies: Use 2 1/2 tablespoonful, per 1 gallon, or 8 ounces per 5 gallons, or 1 gallon per 100 gallons of water. Spray walls, ceilings, roosts, nests and adjacent areas liberally, taking care to force the spray into all cracks and crevices. For control of Poultry Ticks: Use 3 1/4 tablespoonful per 1 gallon, or 3 gallons per 100 gallons of water; apply liberally to walls, ceilings, and adjacent areas, taking care to force the spray into all cracks and crevices. Repeat as necessary for control. Use a high pressure for surface sprays.

**ROOST PAINT:** For the Control of Chicken Red Mite and Poultry Lice: Use 2 1/2 tablespoonful per gallon of water. Brush on this mixture as a roost paint at the rate of 1 pint per 150 feet of roost. Repeat as necessary. Avoid contamination of feed, feeding troughs and water fountains with spray.

**MOSQUITOES, FLIES AND SMALL FLYING INSECTS:** For the Control of Mosquitoes, Flies and Small Flying Insects in and around buildings which house domestic animals: Apply a spray containing 1 1/4 gallons in 100 gallons, or 3 1/2 tablespoonful per gallon of water. Apply the spray at the rate of 1 gallon per 1000 sq. ft. on painted surfaces and 2 gallons per 1000 sq. ft. on unpainted surfaces. Do NOT use in milking rooms. Remove milking animals and calves under one month of age from building before treating.

**MOSQUITO LARVAE IN STANDING WATER:** Use 1/2 pint per acre in sufficient water or oil to obtain uniform coverage when applied by air or ground equipment. Repeat application as necessary. Avoid applying oil sprays to valuable ornamental plants, as injury may occur. Malathion will kill certain species of fish, particularly in shallow water.

**DOG AND CAT QUARTERS:** For Control of Fleas in kennels, pens, yards, lawns and under house: remove manure or debris. Use 3 1/5 ounces per gallon of water and spray at the rate of 1 gallon per 1000 sq. ft. Use garden sprayer. Avoid contamination of feed, feeding and water containers.

**DOGS AND CATS:** For Control of Fleas: Use 1 1/4 tablespoonful in 1 gallon of water. Apply with hand sprayer. Wet animal thoroughly by spraying. Retreat every three weeks if dogs or cats become reinfested. Do not treat kittens or puppies under 4 weeks of age.

The use of this material being beyond our control and involving elements of risk to human beings, animals and vegetation, we do not make any warranty, express or implied, as to the effects of such use, when this product is not used in accordance with the directions as stated on this label.

56M MP

Prod. No. 2 1/2 gals. - #13225  
5 gals. - #13275  
55 gals. - #13255

**ORM-A**

**(MALATHION MIXTURE LIQUID)  
NA 2783 (RQ)**

