

Reg no: 72-150

PM-16

195

**ACCEPTED**

**JAN 23 1989**

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, this pesticide registered under EPA Reg. No. 72-150

LIQUID "55" MALATHION  
FOR AGRICULTURAL USE ONLY

For Use On Alfalfa, Vegetable, Fruit, Ornamental Plants, and Direct Application To Livestock and Poultry

	BY WEIGHT
ACTIVE INGREDIENTS:	
Malathion*.....	55.0%
Aromatic Petroleum Solvent.....	35.0%
INERT INGREDIENTS:.....	10.0%
TOTAL.....	100.0%

\*O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate

THIS PRODUCT CONTAINS 5 LBS. OF MALATHION PER GALLON.

EPA Reg. No. 72-150

EPA Est. No. 72-PA-1

KEEP OUT OF REACH OF CHILDREN

WARNING

AVISO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta 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 or convulsing 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: 4 OUNCES LIQUID  
8 OUNCES LIQUID  
1 PINT LIQUID  
1 QUART LIQUID

1 GALLON LIQUID  
5 GALLONS LIQUID  
55 GALLONS LIQUID

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS: WARNING--Harmful if swallowed, inhaled, or absorbed through the skin. Avoid contact with eyes, skin and clothing. Avoid breathing vapors - spray mist. Wash thoroughly after handling. Wash hands, face and arms with soap and water before eating and smoking. Wear gloves and long-sleeved work clothing. Change to clean clothing daily. Wash all clothing with soap and water before reuse. Do not apply directly on very young animals. Keep children and pets out of treated area until spray dries. Do not contaminate food or feed.

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.
- ↓ 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.

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.

Do not apply this product through any type of irrigation system.

STORAGE & DISPOSAL

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: Pesticide wastes are toxic. Improper disposal of excess pesticides, spray mixture or rinsate 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.

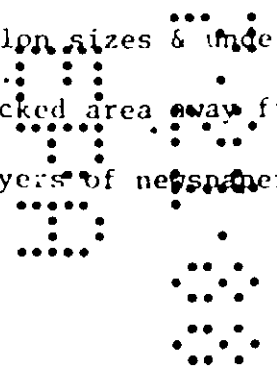
CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill. Do not cut or weld metal containers. Do not reuse empty container.

STORAGE & DISPOSAL (for one gallon sizes & under)

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

STORAGE: Store in tightly closed, original container in a locked area away from children and domestic animals. Do not reuse empty container.

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



DIRECTIONS

The use of this material in a manner or at a time other than in accordance with directions may produce plant injury. Federal Food and Drug Administration has set official tolerances for pesticide residues. Crops having residues in excess of these tolerances should not be marketed without removal of such excess.

Malathion should be applied to dry foliage or plant injury may occur. Foliage of certain apple varieties may be injured by this product.

ORNAMENTALS:\* For control of Spider Mite, White Flies on AZALEAS: Aphid, Japanese Beetle, Tarnished Plant Bug, Rose Leafhopper on ROSES: Apply as a spray containing 1 1/2 pints per 100 gallons of water, when insects appear and repeat at 7 to 10 day intervals if necessary.

For control of Soft Brown Scale, Oyster Shell Scale, Juniper Scale, Oak Kermes, Fletcher Scale and Bagworms: Make one or more applications of a spray containing 2 pints per 100 gallons of water. Make thorough full coverage sprays, with repeat applications as necessary. For Scale: Apply when crawlers have settled on foliage. For Pine Needle Scale: Use 4 pints in 100 gallons of water.

\*NOTE: Injury may occur on certain ferns, including Boston, Maiden Hair and Pteris, as well as some species of Crassula. 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.

DIRECT APPLICATION TO LIVESTOCK

BEEF CATTLE: For Control of Lice: 1 gallon per 100 gallons, or 3 tablespoonsful per gallon of water. Apply a complete coverage spray. Repeat application in 14 days if necessary. Do NOT apply to dairy animals. Do NOT treat CALVES under one month of age. When applying sprays, do not contaminate feed, food containers and watering troughs.

BACK RUBBING DEVICES: For reduction of Lice and Hornflies: Beef Cattle: Apply one gallon of LIQUID "55" MALATHION to 30 gallons of fuel oil to Back Rubbing Devices (One Back Rubbing Device to each 35 to 45 head of cattle: these rubbers should be continuously accessible). Do NOT use on dairy animals.

SWINE: For control of Lice: Use 1 gallon 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: Direct application, for control of Northern Fowl Mite, Poultry Lice, and as a supplement to premise treatment for Chicken Red Mite: Mix 2 tablespoonsful per 1 gallon of water, or 5 fluid ounces per 5 gallons of water. Spray 1 gallon of dilute mixture per 100 to 150 birds. Repeat in 4 to 8 weeks if necessary.

POULTRY HOUSES: For Control of Northern Fowl Mite, Chicken Red Mite, Poultry Lice and Flies: Mix 4 tablespoonsful per 1 gallon, or 10 fluid ounces to 5 gallons, or 1 gallon to 50 gallons, of water. Apply as a spray, liberally, to walls, ceilings, roosts, nests, and adjacent areas; force spray into all cracks and crevices. Repeat as necessary. Avoid contamination of feed troughs and water fountains.

DOG AND CAT QUARTERS: For Control of Fleas in Kennels, Pens, Yards, Lawns and under Houses: Remove manure or debris. Mix 5 ounces of LIQUID "55" MALATHION with 1 gallon of water and spray at rate of 1 gallon per 1,000 sq. ft. Use garden sprayer. Avoid contamination of feed, food and water containers.

FLIES: For the reduction of Flies in Dairy Barns and Buildings which house domestic animals, around yards, and around the outside of homes: Apply a spray containing 1 gallon in 50 gallons of water, or 5 tablespoonsful to 1 gallon of water. Thoroughly wet surfaces where flies alight or congregate, such as walls, fences, manure piles, around garbage cans, stanchions in dairy barns, etc. For bait spray, add an equal quantity of molasses to the above mixture.

DO NOT use in milk rooms or dwellings. Remove animals and poultry from buildings before spraying.

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

ALFALFA: For Control of Alfalfa Weevil Larvae, Aphids, Spittlebug, Potato Leafhopper, Spider Mites and Grasshoppers: Apply 1 1/2 to 2 pints per acre in sufficient water for good coverage (usually 20 or more gallons of water per acre); apply when Alfalfa Weevil Larvae are first noted. A second application may be necessary, to the first cutting, for satisfactory control. Do not apply during full bloom or within 7 days of harvest or pasturing.

APPLES AND PEACHES: For Control of Spider Mites: For European Red Mite, Two-Spotted Mite, Willamette Mite and Clover Mite: Make two or more applications as needed of a spray containing 1 to 2 pints per 100 gallons of water. For certain mites, such as Two-Spotted and Willamette, use at least two applications 10 to 12 days apart during summer months. Do not apply within 3 days of harvest on Apples or within 7 days of harvest on Peaches.

APPLES: For Control of Forbes Scale, Woolly Apple Aphid, Green Aphid and Rosy Aphid: Make one or more applications as needed of a spray containing 1 to 1 1/2 pints per 100 gallons of water. Do not apply within 3 days of harvest.

TOMATOES: For Control of Spider Mite: Make one or more applications as needed of a spray containing 1 1/2 pints per 100 gallons of water per acre. Do not apply within 3 days of harvest.

TOMATOES AND POTATOES: For Control of Aphids: Make one or more applications of a spray as needed containing 1 pint per 100 gallons of water per acre. Do not apply within 3 days of harvest on Tomatoes.

POTATOES: For Control of Potato Leafhopper: Make one or more applications as needed of a spray containing 1 1/2 pints per 100 gallons of water per acre.

PEAS: For Control of Aphids: Make one or more applications as needed of a spray containing 1 1/2 pints per 100 gallons of water per acre. Do not apply within 3 days of harvest, 7 days if vines are to be fed.

BEANS: For Control of Mexican Bean Beetle, Leafhopper and Spider Mites: Make two or more applications as needed of a spray containing 1 1/2 pints per 100 gallons of water per acre. Do not apply within 24 hours of harvest.

CABBAGE, BROCCOLI, KALE, MUSTARD AND TURNIP: For Control of Aphids, and Cabbage Worm: Apply a thorough spray containing 1 1/2 pints per 100 gallons of water per acre. Repeat as needed. Do not apply within 3 days of harvest on Broccoli and Turnips or within 7 days of harvest on Cabbage, Kale and Mustard.

LIMITED WARRANTY: 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.

