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PUREGRO **MALATHION LV** **INSECTICIDE**

Active Ingredient:
Malathion** 95%
Inert Ingredients 5%

**0,0-dimethyl phosphorodithioate of diethyl mercaptosuccinate. (One gallon contains 9.7 pounds of malathion)

E.P.A. REG. NO. 1202-118-AA

CAUTION
KEEP OUT OF REACH OF CHILDREN
HARMFUL BY SWALLOWING, INHALATION,
OR SKIN CONTACT.

Avoid Breathing Spray Mist — Avoid Contact with skin — Wash Thoroughly After Handling — Change Contaminated Clothing — Do Not Contaminate Food or Feed Product. — Highly toxic to fish. Do not contaminate any body of water, by direct application. Cleaning of equipment or disposal of wastes and containers.



LOS ANGELES, CALIFORNIA

NET CONTENT GALS.

ACCEPTED
9/7/72
UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTERED
UNDER NO. 1202-118

With Comments
ACCEPTED WITH COMMENTS

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9/7/72

REGISTERED FEDERAL INSECTICIDE AND RODENTICIDE FOR ECONOMIC POISON REGISTRATION UNDER NO. 1202-118

With Comments

| Crop | Pests Controlled | Fl. Oz. Per Acre | Interval Between Last Application and Harvest |
|---|---|------------------|---|
| Cotton | Boll Weevil | 8-12 | 0 day |
| | | 16 | 2 days |
| | Grasshoppers | 8 | 0 day |
| | Lygus Bugs | 8-12 | 0 day |
| | | 16 | 2 days |
| | Early Season Insects | | |
| | Thrips Fleahoppers Leafhoppers | 4-8 | 0 day |
| Safflower | Grasshoppers | 8 | 3 days of harvesting seeds. |
| Soybeans | Lygus Bugs | | |
| | Mexican Bean Beetle | 8 | 7 days of harvest or forage use |
| Sugar Beets | Grasshoppers | 8 | 7 days, if tops are to be used as feed. |
| | Grasshoppers Japanese Beetle | | |
| Corn | Adult Corn Rootworm | 4 | 5 days |
| Beans (Lima, green, snap, navy, red kidney, wax, dry, blackeye) | Mexican Bean Beetle, Leafhoppers, Green Clover Worm, Japanese Beetle, Lygus Bug | 8 | 1 day |
| | Blueberries (Grown in Michigan & Indiana) | Blueberry Maggot | 10 |

| Crop | Pests Controlled | Fl. Oz. Per Acre | Interval Between Last Application and Harvest |
|--------------------------------------|---------------------------------------|------------------|---|
| Nonagricultural Lands | Beet Leafhopper (on wild host plants) | - | 0 day |
| Pasture - Feed Lots and Holding Pens | Adult Flies and Mosquitoes | 6-8 | 0 day |

Alfalfa, Clover, Pasture and Range Grass, Grass and Grass Hay, Grain Crops, Beans, Rice, Tomatoes and Nonagricultural Lands, wastelands, roadsides, soil bank lands. Adult Mosquitoes and Flies - Apply MALATHION LV CONCENTRATE at the rate of 2 to 4 fluid ounces per acre for control of adult mosquito and at 6 to 8 fluid ounces per acre for control of adult flies and mosquitoes. Repeat applications as necessary. On alfalfa, clover, pasture and range grass, grass and grass hay, may be applied on day of harvest or grazing. Do not apply to alfalfa and clover in bloom. Do not use on seed alfalfa. On grain crops, make no application within 7 days of harvest or forage use; on corn, within 15 days of harvest or forage use; on rice, within 7 days of harvest; on beans and tomatoes, within 1 day of harvest.

This product is toxic to fish. Keep out of lakes, streams or ponds. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

DISPOSAL OF PAILS: Drain pail completely. Add 1/2 gallon of water, 1/4 cup of detergent and 1/2 pound of lye. Tighten closure. Rotate pail to wet all surfaces and let stand for at least 15 minutes. Drain completely and rinse several times with water. Tighten closure. Puncture and crush pail to prevent re-use.

CONDITIONS OF SALE: Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factor in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

Information Continued on Panel 5

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with comments

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MALATHION LV CONCENTRATE can be effectively applied with conventional aircraft spray equipment by making a few minor modifications in the plumbing and boom assembly.

PUMP

Pumps capable of producing pressures of 40 to 50 psi will be satisfactory. A bleed line, at least 3/16 inch in diameter should be installed on the high point of the impeller chamber to release trapped air. This line should bleed back to the top of the tank above the liquid level.

BY-PASS

A by-pass is required from the spray pump outlet to the spray pump inlet. This line must be equal in diameter to the pump outlet and should contain a valve controllable from the cockpit that will permit adjustments of boom pressure in flight. The by-pass commonly used to recirculate MALATHION LV CONCENTRATE to the spray tank must be closed to avoid aeration of the insecticide.

BOOM AND NOZZLE PLACEMENT

The distance between the left and right outdoor nozzles should be at least 3/4 of the wing span. The total number of nozzles used should be equally spaced across this span if the aircraft is flown at twenty feet or higher. Trailing edge booms are desirable and the nozzles should be placed on boom where pilot can readily see them to check any plugging of nozzles during spray operation. A bleed line at least 3/16 inch in diameter should be attached to the outer end of each boom and routed back to the top of the spray tank but above the liquid level. This line will bleed off pressure and assure sharp cut-off. If a nozzle is placed at each end of boom, as many Ag Cat spray booms are assembled. This bleed line is not necessary.

NOZZLES

Use at least 4 to 6 flat fan nozzles, such as Spraying Systems 8001, 80015 or 8002 for small aircraft, such as Piper Pawnees and Stearmans. For aircraft operating at 150 mph or faster, use ten to fourteen 8010 or 8015 flat fan nozzles. Nozzles should be pointed straight downward on small aircraft and straight back for faster aircraft. Use 100 mesh screens with 8001, 80015 and 8002 nozzles and a large-volume 50-mesh screen should be used in spray systems. No screens are required for the 8010 or 8015 nozzles. Diaphragm check valves should be used on each nozzle to insure positive cut-off of spray during flight. Do not use cone nozzles.

Rotary atomizers, commonly known as Mini-Spin nozzles, developed by the USDA, can be substituted for the flat fan nozzles. Use the same flat fan nozzle tips as mentioned above when using the Mini-Spin nozzle.

DIRECTIONS FOR USE

Do not use this product for any use other than those specified on this label.

MALATHION LV CONCENTRATE is used undiluted for ultra low-volume aerial applications to control the insects indicated below. Aerial applications should be made at boom altitudes of 5 feet. Do not make applications 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.

NOTE: MALATHION LV CONCENTRATE may cause spotting on automobile paint finish. Cars should not be sprayed directly. If accidental exposure does occur, the car should be washed immediately.

| Crop | Pests Controlled | Fl. Oz. Per Acre | Interval Between Last Application And Harvest |
|---|--------------------|------------------|---|
| Alfalfa, Clover, Pasture and Range Grass, Grass, Grass Hay, Nonagricultural Land (wastelands, roadsides, soil bank lands) | Grasshoppers | 8 | May be applied on day of harvest or grazing. Do not apply to alfalfa and clover in bloom. Do not apply to seed alfalfa. |
| Cereal Crops (Barley, Corn, Oats, Wheat) and Grasses | Cereal Leaf Beetle | 4-8 | Cereal Crops: 7 days of harvest or forage use. Grasses: May be applied on day of harvest or grazing. |
| Grain Crops (Barley, Corn, Oats, Rye, Rice, Grain Sorghum and Wheat) | Grasshoppers | 8 | 7 days Corn: 5 days of harvest or forage use |

Information Continued on Panel 4