

Code: 713

[279-2301]

Net Contents
Gallons

MALATHION LV* CONCENTRATE

DIRECTIONS FOR USE

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 pump 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 outboard 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 nozzle 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 nozzle is placed at each end of boom, as many Ag-Cat spray booms are assembled, this 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 10 to 14 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 Mr. Spin nozzles, developed by the Plant Pest Control Division, USDA, can be substituted for the flat fan nozzles. Use the same flat fan nozzle tips as mentioned above when using the Mr. Spin nozzle.

MALATHION LV CONCENTRATE is used diluted for ultra-low volume aerial applications. Aerial applicators should be made at altitudes of 10 to 20 feet.

3A

Manufactured in U.S.A. By

Agricultural Chemical Division
MIDDLEPORT, N.Y. YAKIMA, WA
FRESNO, CA RICHMOND, CA

ACCEPTED
FEB 14 1974
UNDER FEDERAL REGULATION
FUNGICIDE AND INSECTICIDE ACT
FOR ECONOMIC PEST CONTROL
TO PREVENT LOSS

279-2301

INSECTICIDE

EPA REGISTRATION NO. 279-2301

ACTIVE INGREDIENT
Malathion
NET INGREDIENTS

91.00%
75.00%
5.00%
100.00%

100% dimethyl phosphorothioate of ethyl mercaptosuccinate

*One gallon contains 9.7 pounds of malathion

*Trademark of American Cyanamid Company

CAUTION

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. Avoid breathing spray mist. Avoid contact with skin. Wash thoroughly after using. Avoid contamination of feed and foodstuffs.

NOTE TO PHYSICIANS: Malathion may cause cholinesterase inhibition. Atropine is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

ENVIRONMENTAL AND DISPOSAL CAUTIONS

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

Do not apply when weather conditions favor drift from treated areas. Do not apply when run-off is likely to occur. Do not use in combination with a herbicide other than an air or tank mix with label directions to use animal, plant or crop products. No residues or other undesirable results may occur.

This product is highly toxic to bees exposed to it to kill or disorient bees used for crop pollination. Protective information may be obtained from your Cooperative Extension Office.

Do not reuse empty 1 and 5 gallon containers. Decontaminate by perforating, rinsing, return 30 gallon drums to manufacturer or destroy by puncturing or crushing. Bury or discard in safe place away from water supply.

DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME
DO NOT STORE AT TEMPERATURES BELOW 0°F

For Emergency Assistance Call
716-735-3765

Apply when insects first appear and repeat as required.

Crop	Pests Controlled	Fl Oz Per Acre	Interval Between Last Application and Harvest
Alfalfa, Clover, Pasture and Range Grass, Grass and Grass Hay, Nonagricultural Land, wastelands, roadsides, soil bank lands.	Grasshoppers, Beet Leafhopper, and wild host plant Non-crop plants, lands only.	8	May be applied on day of harvest or grazing. Do not apply to alfalfa and clover in bloom.
Grain Crops (barley, corn, oats, rye, rice, grain sorghum, and wheat)	Grasshoppers	8	Do not apply to seed alfalfa 7 days before harvest or forage use.
Soybeans	Grasshoppers, Lygus Bugs, Mexican Bean Beetle, Japanese Beetle	8	3 days before harvest and seeds.
Sugar Beets	Grasshoppers	8	7 days before harvest or forage use.
Beans (lima, green, snap, navy, red kidney, wax, fry, black-eyed peas)	Mexican Bean Beetle, Leafhoppers, Green Clover Worm, Japanese Beetle, Lygus Bug	8	7 days before harvest or forage use.

Alfalfa, Clover, Pasture and Range Grass, Grass and Grass Hay, Grain Crops, Beans, Rice, Tomatoes and Nonagricultural Land, wastelands, roadsides, soil bank lands, Adult Mosquitoes and Flies. Apply MALATHION LV CONCENTRATE at the rate of 2 to 4 fluid ounces for control of adult mosquitoes 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, grain 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 5 days of harvest or forage use on rice within 7 days of harvest on beans and tomatoes within 1 day of harvest.

NOTE: MALATHION LV CONCENTRATE may cause spotting or mottling in paint finish if prolonged exposure is permitted. Cars should not be sprayed directly. If accidental exposure does occur, the car should be washed immediately.

Dealers Should Sell in Original Packages Only

WARRANTY: FMC warrants that this product is as of the time of sale by FMC. It does not warrant the product against the use of the product, and is not responsible for the proper use of the product. The Directions for Use, EXCEPT AS SO WARRANTED, THE PRODUCT IS TO BE USED AS A FUMIGANT. OTHER WARRANTIES, EXPRESS OR IMPLIED.

