

[218-615]

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 pressure of 40 to 50 psi will be satisfactory. A bleed line at least $\frac{3}{16}$ inch in diameter should be installed on the high point of the impeller chamber to release trapped air. This line should be routed 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 $\frac{3}{4}$ 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 $\frac{3}{16}$ 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 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 Mini-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 Mini-Spin nozzle.

DIRECTIONS FOR USE

The following directions are supplied by us and are believed to be reliable but are in no way guaranteed.

MALATHION LV CONCENTRATE is used undiluted for ultra-low volume aerial applications to control adult corn rootworm, beet leafhopper, blueberry maggot, cereal leaf beetle, cotton boll weevil, flies, grasshoppers and mosquitoes as specified below. Aerial applications should be made at altitudes of 10 to 20 feet.

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

ALFALFA, CLOVER, COTTON, PASTURE AND RANGE GRASS, GRASS AND GRASS HAY, GRAIN CROPS, SAFFLOWER, SOYBEANS, SUGAR BEETS AND NONAGRICULTURAL LANDS (wastelands, roadsides, soil bank lands):

For control of grasshoppers, apply 8 fluid ounces of MALATHION LV CONCENTRATE per acre. 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.
(Directions continued on opposite side)

NET CONTENTS

MALATHION
LV[®] CC

CAUTION

For Additional
USDA Reg. No. 2184-

Active Ingredient: :
Malathion**
Inert Ingredients :
**0,0-dimethyl phos
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MADE IN U.S.A.

ACCEPTED WITH COMMENTS

14-19-67

NET CONTENTS

5 GALLONS



MALATHION LV* CONCENTRATE

Insecticide

CAUTION—Keep out of reach of children

For Additional CAUTION Information See Side Panel

USDA Reg. No. 2184-

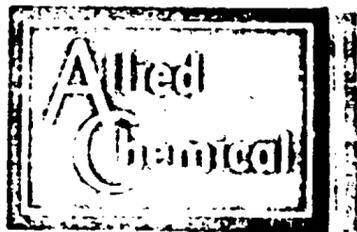
*Trademark of American Cyanamid Company

Active Ingredient: Malathion** 95%

Inert Ingredients 5%

**O,O-dimethyl phchosphorodithioate of diethyl mercaptosuccinate.

(One gallon contains 9.7 pounds of malathion)



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27-107

BLUEGRASSES (grown in Michigan and Indiana)

For control of bluegrass weevil on bluegrass, apply 4 to 8 fluid ounces of MALATHION LV CONCENTRATE per acre. Apply in early spring and repeat applications as necessary.

No waiting period necessary between last application and harvest.

CEREAL CROPS AND GRASSES

For control of cereal leaf beetle on cereal crops and grasses, apply 4 to 8 fluid ounces of MALATHION LV CONCENTRATE when adult beetle become active in the Spring. Repeat application at the higher rate within 7 to 14 days for control of adults and young larvae.

Make no application on cereal crops within 7 days of harvest or forage use. On grasses, may be applied on day of harvest or grazing.

CORN

For control of adult corn rootworm on corn, apply 4 fluid ounces of MALATHION LV CONCENTRATE per acre. Repeat applications as necessary. Make no application on corn within 5 days of harvest or forage use.

COTTON

For control of boll weevil on cotton, apply 8 to 12 fluid ounces of MALATHION LV CONCENTRATE per acre. Repeat applications as necessary.

ALFALFA, CLOVER, PASTURE AND RANGE GRASS, GRASS AND GRASS HAY, GRAIN CROPS, BEANS, RICE, TOMATOES AND NON-AGRICULTURAL LANDS (wastelands, roadsides, soil bank lands)

Adult mosquitoes and flies - Apply MALATHION LV CONCENTRATE at a 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. 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.

(Directions continued from opposite side)

On grain crops and soybeans, make no application within 7 days of harvest or forage use; on corn, within 5 days of harvest or forage use. On safflower, make no application within 3 days of harvesting seeds. On sugar beets, make no application within 7 days if tops are to be used for food or feed.

BLUEBERRIES (grown in Michigan and Indiana)

For control of blueberry maggot on blueberries, apply 10 fluid ounces of MALATHION LV CONCENTRATE per acre. Apply uniformly and repeat applications as necessary.

No waiting period is necessary between last application and harvest.

CEREAL CROPS AND GRASSES

For control of cereal leaf beetle on cereal crops and grasses, apply 4 to 8 fluid ounces of MALATHION LV CONCENTRATE when adult beetles become active in the Spring. Repeat application at the higher rate within 7 to 14 days for control of adults and young larvae.

Make no application on cereal crops within 7 days of harvest or forage use. On grasses, may be applied on day of harvest or grazing.

CORN

For control of adult corn rootworm on corn, apply 4 fluid ounces of MALATHION LV CONCENTRATE per acre. Repeat applications as necessary.

Make no application on corn within 5 days of harvest or forage use.

COTTON

For control of boll weevil on cotton, apply 8 to 12 fluid ounces of MALATHION LV CONCENTRATE per acre. Repeat applications as necessary.

ALFALFA, CLOVER, PASTURE AND RANGE GRASS, GRASS AND GRASS HAY, GRAIN CROPS, BEANS, RICE, TOMATOES AND NON-AGRICULTURAL LANDS (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. 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.

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.

NONAGRICULTURAL LANDS

For control of beet leafhopper on the host plants, use 8 fluid ounces of MALATHION LV CONCENTRATE per acre.

Consult your State Agricultural Experiment Station or Agricultural Extension Service for proper timing of sprays.

Before using MALATHION LV CONCENTRATE for the preparation of malathion insecticides, manufacturers should consult Allied Chemical Corporation for manufacturing and safe handling instructions.

DISPOSAL OF DRUMS: Drain drum completely. Add 5 gallons of water, 1 cup of detergent and 2 pounds of lye. Tighten bungs. Rotate drum to wet all surfaces and let stand for at least 15 minutes. Drain completely and rinse several times with water. Tighten bungs. Transport to a professional drum reconditioner having burning equipment for reconditioning.

CAUTION!

KEEP AWAY FROM CHILDREN

HARMFUL BY SWALLOWING, INHALATION, OR SKIN CONTACT

Avoid Breathing Spray Mist

Avoid Prolonged or Repeated Contact With Skin

Wash Thoroughly After Handling

Change Contaminated Clothing

Do Not Contaminate Food or Feed Products

Highly toxic to fish. Do not contaminate any body of water, by direct application, cleaning of equipment or disposal of wastes and containers.

Seller makes no warranty of any kind, express or implied, concerning the use of this product. Buyer assumes all risk of use or handling, whether in accordance with directions or not.

5 GALLONS

ATE

Children

anel

n Cyanamid Company

95%

5%

to Coast

VISION

N. Y., U. S. A.