FARMRITE

MALATHION LV** CONCENTRATE

ACTIVE INGREDIENT:	
Malathion*	95.0%
INERT INGREDIENTS	5.0%
	100.0%

*O, O-dimethyl phosphorodithioate of diethyl mercaptosuccinate
(One gallon contains 9.7 pounds of Malathion)
**Trademark of the American Cyanamid Company

CAUTION

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. Avoid prolonged breathing of dust or spray mist. Avoid prolonged or repeated contact with skin, wash thoroughly after using. Avoid contamination of feed and food stuffs.

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.

FARMRITE 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 in-let. 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 ¾ 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 outboard 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, 8001 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.

MALATHION LV CONCENTRATE is used undiluted for ultra-low volume aerial applications to control adult corn rootworm, beet leafhopper, cereal leaf beetle, cotton boll weevil, flies, grasshoppers and mosquitoes as specified below. Aerial applications should be made at altitudes of 20 to 25 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.

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.

CEREAL CROPS AND GRASSES: For control of cereal leaf beetle, 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 rootworms, 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, 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 NONAGRICULTURAL 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 or forage and tomatoes within 1 day of harvest.

NONAGRICULTURAL LANDS: For control of beet leafhopper, [illegible] fluid ounces of MALATHION LV CONCENTRATE PER ACRE.

CONSULT LOCAL AGRICULTURAL AUTHORITIES FOR PROPER TIMING OF SPRAYS.

DISPOSAL OF DRUMS: Drain drum completely. Add 5 gallons of water, 2 capfuls of [illegible] and 2 lbs. of lye. Tighten bungs. Rotate container to wet all surfaces and let stand for at least 15 minutes. Drain completely. Tighten bungs. Transport to a professional drum

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 ¾ of the wing span. The total number of nozzles used should be equally spaced across this span if the air-craft 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 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.

Highly toxic to fish. Do not contaminate any body of water, by direct application, cleaning of equipment or disposal of wastes and containers. Contamination of shallow fish-bearing waters may kill fish.

[illegible] CONCENTRATE per acre. Repeat applications as necessary. Make no application within 5 days of harvest or forage use.

COTTON: For control of boll weevil, 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 NONAGRICULTURAL 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 wild host plants, use 8 fluid ounces of MALATHION LV CONCENTRATE PER ACRE.

CONSULT LOCAL AGRICULTURAL AUTHORITIES FOR PROPER TIMING OF SPRAYS.

DISPOSAL OF DRUMS: Drain drum completely. Add 5 gallons of water, 1 cup detergent and 2 lbs. of lye. Tighten bungs. Rotate container to wet all surfaces and let stand for at least 15 minutes. Drain completely. Tighten bungs. Transport to a professional drum reconditioner having burning equipment for reconditioning. As an alternative, puncture, crush and bury drum at least 18 inches deep in an isolated area away from water supply.

ACCEPTED

MAR 1 [illegible]

UNDER THE FEDERAL INSECTICIDE FUNGICIDE [illegible] ACT FOR REGISTRATION [illegible] REGISTERED UNDER [illegible] SUBJECT TO [illegible]

EPA Reg. no. 477-231

Manufactured For

CENTRAL CHEMICAL CORPORATION

General Offices _____GALLONS Hagerstown, Maryland