

95.01.27

MALATHION ULV
INSECTICIDE CONCENTRATE

Ditchling

Contents...Liters

COMMERCIAL

GUARANTEE:

Malathion.....95%

KEEP OUT OF REACH OF CHILDREN

REGISTRATION NUMBER 23840 PEST CONTROL PRODUCTS ACT

READ LABEL BEFORE USING

CAUTION POISON

DITCHLING CORPORATION LIMITED
P.O. Box 395
Don Mills, ON
M3C 2S7

MALATHION ULV Insecticide Concentrate is specifically for use undiluted for ultra-low volume aerial and ground applications for the control of Mosquitoes, Flies and the agricultural pests specified.

UNDILUTED SPRAY DROPLETS OF MALATHION INSECTICIDE WILL PERMANENTLY DAMAGE AUTOMOBILE PAINT UNLESS THESE SPECIFIC INSTRUCTIONS FOR GROUND AND AERIAL APPLICATION ARE FOLLOWED. VEHICLES SHOULD NOT BE SPRAYED DIRECTLY, IF ACCIDENTAL EXPOSURE DOES OCCUR THE VEHICLE SHOULD BE WASHED IMMEDIATELY.

DIRECTIONS - AERIAL APPLICATION

MALATHION ULV Insecticide Concentrate is used undiluted for ultra-low volume aerial applications. Aerial applications should be made at altitudes of 6 to 8 meters. Apply with aircraft equipped for ultra-low volume application. Generally, spraying should not be attempted when

the wind is at or above 15 km/hr or temperatures are above 20EC.

Spray droplets of this product will permanently damage automobile paint unless all of the following conditions are met:

1. Aircraft is operated at 240 km/hr or more.
2. There are no leaks in the ultra-low volume spray system.
3. Nozzles are placed on the boom at a 45E angle down and into the wind.
4. Diaphragm check valves are used on all nozzles to ensure positive cut-off of the spray.
5. Dosage of this product does not exceed 200 mL/ha when spraying over cities, towns and other areas where automobiles, trailers and pleasure boats are present.
6. The spray system produces droplets of this product in the 50 to 60 mass median diameter (MMD) micron range with no more than 10% of the droplets exceeding 100 microns as determined by readings made from microscopic slides coated with Dri-Film.

PEST CONTROLLED	CROP	APPLICATION RATE	DIRECTIONS FOR USE
Grasshoppers	Grass Pasture and Range	500 mL/ha	Repeat applications as necessary. May be grazed or harvested on day of application.
Cutworms	Clover	500 mL/ha	Repeat applications as necessary, except when Clover is in bloom. Do NOT apply within 7 days of harvest.
Cereal Leaf Beetle	Cereal Crops Grasses or Legumes being grown for hay	275-550 mL/ha	Apply when adult beetles become active. Repeat application at the higher rate within 2-14 days for control of adults and young larvae. Do NOT apply to cereal crops within 7 days of harvest.
Army Worm	Cereal Crops Grasses or Legumes being grown for hay	425-550 mL/ha	Apply when worms appear. Do NOT apply to cereal crops within 7 days of harvest.

Alfalfa Weevil	Alfalfa	1.10 Liters/ha	Application should be made when day temperatures are expected to exceed 18EC and when 50% to 75% of the leaves show feeding damage. Do NOT apply to seed Alfalfa or when ALFALFA is in bloom or within 5 days of harvest.
Diamondback Moth Larvae	Rape mustard	275-475 mL/ha	Do not apply within 7 days of harvest.
Mosquitoes	Parks, Recreation Areas Cutting Camps Municipalities Agricultural Land	425-550 mL/ha	Repeat application as necessary.

CONSULT LOCAL AGRICULTURAL AUTHORITIES FOR PROPER TIMING OF SPRAYS.

NOTICE TO USER. This control product is to be used only in accordance with the directions on this label. It is an offence under the Pest Control Products Act to use a control product under unsafe conditions.

NATURE OF RESTRICTION. This product is to be used only in the manner authorized. Contact local authorities regarding appropriate use permits that may be required.

RESTRICTED USE. Mosquito Larvae: Apply to breeding areas at the rate of 275-524 mL/ha. Do NOT apply to public waterways or water flowing into public waterways.

DIRECTIONS-GROUND APPLICATION: This use is restricted to Mosquito abatement personnel who have the experience, knowledge and equipment necessary to follow the specific instructions which follow.

Equipment used must have the capability of producing the droplet spectrum described under Droplet Size. Droplet direction must be out the rear of the vehicle and upward at an angle of 45E or more. Do not exceed the recommended flow rate or vehicle speed and follow the equipment manufacturer's instruction manual. Shut off spray equipment when vehicle is stopped.

DROPLET SIZE SPECIFICATION: Spray droplets must not be less than 5 microns in size and must not exceed the range of 23 to 27 microns in

size as larger droplets will permanently damage automobile paint.

More than one half of the total spray mass must consist of droplets in the 5 to 15 micron range to achieve adequate dispersal of insecticide over a 90 meter swath. A minimum of two thirds, preferably four fifths, of the total spray mass must consist of droplets not exceeding 20 microns in range. The MMD is the drop diameter which divides the spray volume into two equal parts, i.e. 50% of the volume is in the droplet size below the MMD and 50% is above the MMD. The average diameter of the droplets should not exceed 12 microns.

ADULT MOSQUITO CONTROL: For control of adult Mosquitoes over a 90 meter swath with non-thermal aerosols of Malathion using the ultra-low volume method, use the following flow rates at the indicated truck speeds.

TRUCK SPEED	FLOW RATE PER MINUTE
10 km/hr	30 to 40 mL
15 km/hr	55 to 80 mL

The flow rate must be monitored constantly by the operator to maintain uniform control of discharge rate.

PRECAUTIONS: Harmful if inhaled, swallowed or absorbed through the skin. Avoid inhalation of, or contact with, the spray. Keep children away from the spray. Wash thoroughly after use. Avoid contamination of feeds, foodstuffs, milking utensils and water supplies. Use a respirator in enclosed areas. Do not treat dairy barns. Do not apply to pastures occupied by dairy animals. Do not apply to food crops. Do not spray into or near open flame. Highly toxic to fish and Bees. To protect Fish and wildlife and bodies of water that may be used for irrigation or domestic purposes do not contaminate streams, lakes or ponds. Wash contaminated clothing before re-use.

FIRST AID: Remove patient from treated area and remove all contaminated clothing. For external contact wash with soap and water. If in eyes flush with plenty of water. In case breathing is weak or irregular give artificial respiration. Obtain prompt medical attention. If swallowed, and patient is conscious, induce vomiting by touching back of throat with finger or other blunt object. Repeat until vomit fluid is clear. Call a Physician immediately. If patient is unconscious give him air.

TOXICOLOGICAL INFORMATION: Malathion is a cholinesterase inhibitor. Atropine is antidotal. Do not use 2-PAM. For severe cases administer 4 to 8 mg (1/16 Or 1/8 grain) intravenously at intervals of 10 to 15 minutes until atropinization is achieved. For less severe cases administer 2 to 5 mg intramuscularly at 30 second intervals. When signs of full atropinization appear, reduce dosage and frequency to 1 mg every 2 to 4 hours. Full atropinization should be maintained for at least 24 hours from beginning of treatment. For children, administer

proportionately lower doses based on body weight.

STORAGE AND HANDLING: Store tightly closed in original container and in a safe place, out of reach of children and domestic animals. Do not store product near food, feed, fertilizer, seed and similar commodities. Keep product away from fire and sources of heat. Do not store below -7EC. If exposed to prolonged cold, place in warm storage (10E to 25EC) for several hours and agitate before using.

DISPOSAL: Drain the emptied container thoroughly into the tank. Follow provincial instructions for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the container in accordance with provincial requirements. For information on the disposal of unused, unwanted product and the cleanup of spills, contact the regional office of Environmental Protection, Environment Canada.

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NOTICE TO BUYER:

Seller's guarantee shall be limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

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