

07-MAR-2007

25-FEB-2008 Notification - Change in Registrant Name

Notification Change

10-SEP-2008 Notification - Product Name Change

PRO® MALATHION ULV® INSECTICIDE
CONCENTRATE

~~WILSON~~
~~MALATHION ULV~~
~~INSECTICIDE CONCENTRATE~~

COMMERCIAL

REGISTRATION NO. 14597 PEST CONTROL PRODUCTS ACT

GUARANTEE: Malathion 96.5%

CAUTION



POISON

READ THE LABEL BEFORE USING
KEEP OUT OF REACH OF CHILDREN

NET CONTENTS: 10 L

Notification Change

~~Nu-Gro PR Inc.~~
10 Craig Street
Brantford, ON
N3R 7J1

Agrium Advanced Technologies RP Inc.

NOTICE TO USER:

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

NATURE OF RESTRICTIONS:

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 275-425 mL per hectare. Do not apply to public waterways or water flowing into public waterways.

Notification Change**PRO® Malathion ULV® Insecticide Concentrate**

For mosquito and fly control. ~~Malathion ULV~~ may also be used to control insects such as grasshoppers, green cloverworms, armyworms, cereal leaf beetles, leafhoppers, alfalfa weevil larvae and diamondback moth larvae.

PRO® Malathion ULV® Insecticide Concentrate

~~MALATHION ULV CONCENTRATE INSECTICIDE~~ is specifically formulated for use undiluted in ultralow volume aerial and ground applicators.

PRO® Malathion ULV® Insecticide Concentrate

~~MALATHION ULV CONCENTRATE INSECTICIDE~~ may cause spotting on automobile paint finish if these instructions are not followed. Cars should not be sprayed directly or subjected to prolonged exposure.

SPECIFICATIONS:**Droplet Size:**

1. Spray droplets should not be less than 5 microns in diameter as the smaller droplets do not impinge readily on adult mosquitoes.
2. Spray droplets should not exceed the range of 23 to 27 microns in diameter as larger droplets, when transported by natural air currents, impinge more readily on objects in their pathway and will permanently damage automobile paint.
3. More than one-half of the total spray mass should consist of droplets in the 5 to 15 micron diameter to achieve adequate dispersal of insecticide over a 90 metre swath.
4. A minimum of two-thirds, preferably four-fifths, of the total spray mass should consist of droplets not exceeding 20 microns in diameter.
5. The mass median diameter (MMD) of the droplets should not exceed 14 microns. The MMD is the drop diameter which divides the spray volume into the equal parts, i.e. 50% of the volume is in the drop size below the MMD and 50% is above the MMD.
6. The average diameter of the droplets should not exceed 12 microns.

DIRECTIONS:

ULV Application by Ground Equipment

Operating equipment:

1. The ultralow volume cold aerosol nozzle for dispersal of Malathion to control adult mosquitoes must have the minimum capability of producing the droplet spectrum described under Droplet Size.
2. Tank Pressure should be maintained at the value recommended in equipment's operating manual.
3. No insecticide pump is necessary with the ULV system.
4. Flow rate must be regulated by an accurate flow meter and should not exceed 85 mL/minute.
5. Nozzles should be positioned at the rear of the truck and pointed upward at an angle of 45° or more.
6. Vehicle speed should not be greater than 16 km/h. Shut off spray equipment when vehicle is stopped.

Adult Mosquito Control: For control of adult mosquitoes over a 90 metre swath with non-thermal aerosols of Malathion using the ultralow volume method, use a flow rate of 28 to 42 mL per minute at a truck speed of 8 km/h and a flow rate of 56-85 mL per minute at 16 km/h. Flow rate must be constantly monitored by the operator to maintain uniform control of discharge.

Aerial Application: PRO® Malathion ULV® Insecticide Concentrate

Use ~~MALATHION ULV Concentrate Insecticide~~ undiluted for ultralow volume aerial applications. Aerial applications should be made at altitudes of 6-8 metres. Aircraft must be equipped for ultralow volume applications. Conventional aircraft spray equipment can also be converted to ULV application by making a few minor modifications in the plumbing and boom assembly. Generally, spraying should not be attempted when the wind is at or above 16 km/h or temperature is above 28° C.

PRO® Malathion ULV® Insecticide Concentrate

NOTE: ~~MALATHION ULV Concentrate Insecticide~~ 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.

Mosquitoes: Apply at 425-550 mL/ha. Repeat application as necessary.

1. In residential areas, rates must not exceed 260 g a.i./ha (i.e. 223 mL of product/ha)
2. Residential areas are defined as sites where bystanders including children may be potentially exposed during or after spraying. This includes around homes, schools, parks, playgrounds, playing fields, public buildings or any other area where the general public including children could be exposed.
3. Consult Provincial/Territorial pesticide regulatory officials for required authorization.

Houseflies and stable flies: Apply 425-550 mL/ha in feed lots, stabling areas and pastures.

Grasshoppers: For grass in pasture and range, apply 550 mL/ha and repeat as necessary. May be grazed or harvested on day of application.

Green cloverworms: Apply to clover at 550 mL/ha. Repeat as necessary. Do not apply within 7 days of harvest. Do not apply when clover is in bloom.

Leafhoppers: In non-agricultural land (wild host plants), apply 425-550 mL/ha.

Armyworms & cereal leaf beetle: On cereal crops and grasses or legumes being grown for hay, apply 425-550 mL/ha when armyworms appear. For cereal leaf beetle, apply 275-550 mL/ha when adult beetles become active. Repeat at 550 mL/ha within 2-14 days for control of adults and young larvae. Do not apply to cereal crops within 7 days of harvest.

Alfalfa weevil larvae: On alfalfa, apply when 50% to 75% of the leaves show feeding damage and temperatures are over 18° C. Do not apply to seed alfalfa or when alfalfa is in bloom or within 5 days of harvest. Apply at a rate of 1.1 L/ha.

Diamondback moth larvae: Apply 275-425 mL/ha in rape. Do not apply within 7 days of harvest.

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. Avoid inhaling spray mist. Avoid contact with skin, eyes and clothing. Wash exposed skin areas thoroughly with soap and water after working with Malathion. Remove contaminated clothing and clean before reuse. Avoid contamination of food and feed. Do not store near food, feed, fertilizers, seed and like commodities. Do not contaminate drinking troughs or utensils. Highly toxic to fish and bees. Avoid contamination of ponds, lakes, streams and other bodies of water which contain fish life or which may be used for irrigation or domestic purposes. Do not treat dairy barns. Do not apply to pasture while occupied by dairy animals.

FIRST AID: In case of exposure, move patient from area and remove all contaminated clothing. Wash all exposed skin with soap and water. **If in eyes,** flush with water. **If swallowed and patient is conscious,** have patient drink 1-2 glasses of water and induce vomiting by touching the back of the throat with a finger or blunt object. If breathing is weak or irregular, give artificial respiration. Get prompt medical attention. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Malathion is a cholinesterase inhibitor. Atropine is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine, but not as a substitute. For severe cases, administer 4-8 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 4 grams intramuscularly at 30 minute 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.

DISPOSAL: Empty the contents of the container thoroughly into the spray 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 cleanup of spills, contact the provincial regulatory agency or the manufacturer.

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