

90.06.27

GUARDSMAN(R)
MALATHION 500
EMULSIFIABLE CONCENTRATE INSECTICIDE
AGRICULTURAL

CAUTION POISON

READ LABEL BEFORE USING

GUARANTEE:
MALATHION.....500 GRAMS PER LITRE

REGISTRATION NO. 10132
PEST CONTROL PRODUCTS ACT

NET CONTENTS
LITRES

VAN WATERS & ROGERS LTD.
P.O. Box 2009,
Vancouver, B.C. V6B 3R2
Edmonton, Calgary, Winnipeg

GUARDSMAN(R) IS A REGISTERED TRADEMARK OF VAN WATERS & ROGERS LTD.

PRECAUTIONS

Keep out of reach of children and domestic animals. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. Wash exposed areas thoroughly with soap and water after working with Malathion. Remove contaminated clothing. Clean contaminated clothing before re-use. Use a respirator when spraying crops in greenhouses or other enclosed areas. Do not contaminate feed or foodstuffs. Do not treat dairy barns. Do not apply to pasture while occupied by dairy animals. Do not treat any plants while in bloom. Avoid contaminating any body of water. Wash treated food before eating. Do not apply to eyes, ears or nose of any animal. Containers should be kept tightly sealed when not in use. Do not store product near food, feed, fertilizers, seed and like commodities. Do not expose to open flame.

FIRST AID

In case of exposure to Malathion, move patient from area and remove all contaminated clothing. Wash all exposed skin with soap and water. If in eyes, flush with water. If breathing is weak or irregular give artificial respiration. If swallowed induce vomiting. Repeat until vomit fluid is clear. Get prompt medical attention.

DISPOSAL PROCEDURES

Malathion breaks down rapidly in the presence of water and alkaline materials. Containers and spillages can be readily decontaminated by the use of liquid bleach or lye or washing soaps containing sodium hydroxide. Residues of Malathion can be burned in a suitable disposal area by first putting down a layer of soda ash or hydrated lime, then pouring in the Malathion, adding another layer of soda ash or lime and by pouring in a mixture of liquid bleach and water, then filling in the hole. The amount of lime and liquid bleach would be dependent upon the amount of Malathion encountered. Empty containers may be filled with lye or strong soap solution and left to stand for 24 hours. After washing dispose of solution in a lime bed. Crush and bury the containers.

TOXICOLOGICAL INFORMATION

SYMPTOMS OF POISONING

Headache, weakness, sweating, giddiness, blurred vision, nausea, abdominal cramps, diarrhea and discomfort in the chest.

ANTIDOTE AND TREATMENT

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 or 8 mg intravenously at intervals of 10 to 15 minutes until atropinization is achieved. For less severe cases, administer 2 to 4 mg 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.

NOTICE TO USER

This control product is to be used only in accordance with the directions on this label. It is an of fence under the PEST CONTROL ACT to use a control product under unsafe conditions.

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.

Partially fill tank with water, start agitation, then add required amount of MALATHION 500 and complete filling of tank. Maintain gentle agitation during spraying.

APPLICATION RATES AND METHODS

DBH=DAYS BEFORE HARVEST

CROP	PEST	RATE AND METHOD
Blueberries	Fruitworm	Use 1.75 litres of MALATHION 500 in 1000 litres of water. Make a complete coverage application at egg hatch and repeat 3 times at 4 - 5 day intervals. DBH 3.
Cranberries	Blackheaded Fireworm, Cranberry Fruitworm	Use 1.25 - 2.5 litres of MALATHION 500 in 1000 litres of water. Obtain thorough coverage and repeat as necessary to control infestations. DBH 3.
Blackberries, Loganberries, Raspberries	Aphids, Raspberry Fruitworm	Use 1.75 - 2.5 litres of MALATHION 500 on raspberry and 1.25 - 1.75 litres on loganberry and blackberry plants per 1000 litres of water. Obtain thorough coverage and repeat as necessary to control infestations. DBH 7.
Carrots & Celery	Aphids, Six Spotted Leafhopper	Use 1.5 - 2.75 litres of MALATHION 500 per hectare in sufficient water for thorough coverage. Repeat as necessary to control infestations. DBH 7.
Brussels Sprouts, Broccoli, Cabbage, Cauliflower	Aphids, Cabbage Looper, Imported Cabbage Worm	Use 1.5 - 2.75 litres of MALATHION 500 per hectare in sufficient water for thorough coverage. Repeat as necessary to control infestations. DBH 3.
Lentil	Grasshopper	Use 1.7 litres of MALATHION 500 in sufficient water for thorough coverage. Use two applications with 7 day intervals between. Ground or aerial application. DBH 14.
Onions (bulb, green)	Thrips	Use 2 litres of MALATHION 500 per hectare in sufficient water for thorough coverage. Repeat as necessary to control infestations. DBH 3.

Peas	Pea Aphid, Leaf Hoppers, Pea Weevil	Use 2 litres of MALATHION 500 per hectare in sufficient water to obtain thorough coverage. Repeat as necessary. Do not apply when foliage is wet. DBH 3
Potatoes	Aphids, Leaf Hoppers, Colorado Potato Beetle	Use 1.5 - 2 litres of MALATHION 500 per hectare in sufficient water to obtain thorough coverage. Repeat as necessary to control infestation. DBH 3.
Alfalfa	Alfalfa Weevil (larvae), Grasshoppers , Lygus Bug	Use 2 - 2.75 litres of MALATHION 500 per hectare in sufficient water to obtain thorough coverage when about 75% of foliage shows feeding damage. Do not apply to alfalfa in bloom. Repeat as necessary. DBH 7.
Ornamentals Flowers*	Aphids, Mites Thrips, Tent Caterpillars , Mealy Bugs	Use 1.5 - 2.75 litres of MALATHION 500 per hectare diluted in 500 - 1000 litres of water. Apply at first appearance of pest, obtain thorough coverage and repeat as necessary to maintain control. For small areas use 20 mL of MALATHION 500 in 10 litres of water.

*CAUTION: Injury may occur on Petunias, certain Ferns and some species of Crassula African Violets, Ilex and Juniper.

FOR CONTROL OF LICE ON BEEF CATTLE AND NON LACTATING DIARY CATTLE

Use 10 litres of MALATHION 500 diluted in 1000 litres of water. Apply as a thorough coverage spray avoiding eyes, ears and nose. Repeat treatment if necessary. Do not contaminate food or water troughs.

RUBBING DEVICES

For the reduction of lice and hornflies on beef cattle, apply a mixture of 2% MALATHION (4 litres of MALATHION 500 mixed in 100 litres of fuel oil) to back-rubbing devices. These devices should be made continuously accessible, one to each 35 - 40 head of cattle and retreated every 2 or 3 weeks. Do not use within 30 days of slaughter. DO NOT USE SPRAYS OR DIPS ON LACTATING DAIRY ANIMALS.

DO NOT TREAT CALVES UNDER ONE MONTH OF AGE.

Do not apply to adult animals nursing young. DO NOT apply MALATHION 500 to freshly white-washed surfaces, wait 14 days before applying MALATHION. Do not use in milk rooms or in dwellings. Remove lactating animals and young calves from buildings before treatment.

MOSQUITO ADULTS AND SMALL FLYING INSECTS Farmyard areas (pens, feed lots, pastures, manure piles, garbage dumps)
Use a 5 space spray by diluting at the rate of 1 part MALATHION 500 to 9 parts water, diesel oil or fuel. Apply 11 litres of the diluted spray per hectare as a fog.

MOSQUITO LARVAE

Apply 1.1 litres MALATHION 500 per hectare in sufficient water or oil for even coverage to areas where mosquitoes breed. Repeat application as necessary. For use in standing water areas such as farm ponds, farm dugouts, fire ponds, etc. Do not apply to water draining into public waterways. MALATHION may be toxic to certain species of fish, particularly in shallow water.

FLY CONTROL

For the control of flies in and around buildings which house domestic animals, around yards and around homes apply a spray containing 200 mL Guardsman MALATHION 500 in 10 litres of water and thoroughly wet surfaces where flies alight or congregate, such as walls, ceilings, stanchions, windows in dairy barns and around garbage cans, manure piles, etc. Molasses, sugar or syrup may be added to spray to improve effectiveness. Repeat applications as necessary.

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