

92.08.24

CLEAN CROP(R)

MALATHION 500

FOR ANIMALS, POULTRY, FRUITS, MUSHROOMS, AND FIELD CROPS

COMMERCIAL

CAUTION
POISON

READ THE LABEL BEFORE USING

GUARANTEE:

Malathion 50%

REGISTRATION NO.19364
PEST CONTROL PRODUCTS ACT

UNITED AGRI PRODUCTS
R.R. #2
Dorchester, Ontario
N0L 1G5

NET: 10 L

DIRECTIONS FOR USE:

Add the specified amount of MALATHION 500 to the water in the spray tank and agitate well for 3 to 5 minutes before spraying.

FRUITS: Consult Provincial Spray Calendars for proper timing.

APPLES, CHERRIES, PEACHES, PEARS, PLUMS & PRUNES: To control Aphids, Codling moths, Fruit tree leafrollers, Mealy bugs, Pear psyllas (suppression only), Pear slugs, Plum curculios, and Scale crawlers, use 200 mL of MALATHION 500 per 100 L of water and spray thoroughly. Repeat as necessary or at 10-12 day intervals. Do not spray within 3 days of harvest (peach: 7 days). May injure certain varieties of sweet cherries, particularly in British Columbia. May cause injury to apples (McIntosh, Cortland), pears (Bosc, Bartlett), grapes (Ribier). Do not apply when crop is in bloom.

BLACKBERRIES, BLUEBERRIES, CRANBERRIES & STRAWBERRIES: To control Aphids, Cranberry fruitworms, Leafhoppers, Leafrollers, Mites, Rose chafers, Strawberry weevil adults, (B.C. only), and Thrips, use 200 mL of MALATHION 500 per 100 L of water and spray thoroughly. Repeat as necessary. Do not

spray within 3 days of harvest on blueberries, cranberries and strawberries, and within 7 days on blackberries. (Use at the rate of 130-180 mL of MALATHION 500 per 100 L of water for blackberries.) For control of Strawberry root weevils (adults), use 300 mL of MALATHION 500 in 100 L of water and spray when fresh leaf notchings are seen, usually in late April or early May. Second application should be made between fruit harvest and late fall. Post-harvest application may be increased to 400 mL of MALATHION 500 per 100 L of water. Do not apply when crop is in bloom.

MUSHROOM BEDS AND HOUSES: To control Mites, and Phorid and Sciarid flies, use 300-400 mL with 130 L of water per 1000m² of bed surface immediately after picking. Do not apply within two days of harvest, For mushroom houses, apply the above solution as a spray or paint. Treat all wooden surfaces to the point of run-off. Repeat as required.

ANIMALS AND ANIMAL QUARTERS: POULTRY HOUSES: To control Lice, use 650 mL of MALATHION 500 per 10 L of water. Spray roosts, floor litter, cages, walls and shipping crates until damp, using a garden sprayer. Also, spray poultry houses from the outside, paying special attention to doors, windows, manure heaps, etc. Repeat as necessary. Do not apply direct to birds. Allow 14 days before applying to freshly whitewashed surfaces. Avoid contamination of feed and water troughs.

BEEF AND NON-LACTATING DAIRY CATTLE: For Gnats, Lice, Mosquitos, and Ticks, use MALATHION 500 at the rate of 1 L per 100 L of water. Apply as a complete coverage spray. Repeat only if needed. Avoid treating eyes, ears and nose. Do not apply to animals under one month of age. Do not apply to adult animals nursing young. Do not apply to dairy animals within two weeks of freshening. May be applied up to day of slaughter. Avoid contamination of feed and water troughs.

HOGS: To control Sarcoptic mange mites, make a 1% spray by mixing 200 mL of MALATHION 500 with 10 L of water. Apply 2 litres of the diluted spray per animal. Repeat in 12 days, if necessary. Do not apply to animals under one month of age. Do not apply to adult animal nursing young. May be used up to time of slaughter.

CATS & DOGS: For Fleas, Lice and Ticks, use MALATHION 500 at the rate of 150 mL per 10 L of water and apply directly to the fur so that the spray reaches the skin. Repeat in two weeks if necessary.

KENNELS: Spray animal quarters thoroughly at the rate of 250-500 mL of MALATHION 500 per 10 L of water, paying special attention to cracks, crevices, etc. Clear the area of bedding and debris before treating. Apply 5 L of spray per 100m². Provide fresh bedding after treatment.

Avoid contamination of feed and water in all of the above applications.

VEGETABLE AND FIELD CROPS: Consult Provincial Spray Calendar for proper timing.

ALFALFA, BEANS, BEETS, BROCCOLI, CABBAGE, CELERY, CORN (grain, silage), LETTUCE, PEAS, AND POTATOES: For control of Alfalfa weevil larvae, Aphids, Asparagus beetle, Cabbage looper, Colorado potato beetle, Imported cabbage worm, Leafhoppers, Leafminer, Mites, Pea weevil, and Spider mites - use at the rate of 2 L per 1000 L of water per ha. Obtain thorough coverage. Do not apply in bloom. Repeat as necessary. Do not apply within 7 days of harvest (except - beans - 1 day; broccoli, peas, potatoes - 3 days; corn - 5 days; lettuce - 14 days). For peas do not apply unless foliage is dry. For corn, apply for full coverage when 10% of ears show silk and repeat at intervals of 3 to 5 days until 4 to 5 applications are made. Check with local agricultural authorities for correct timing.

GRASSHOPPER CONTROL: Use 1.7 L of MALATHION 500 per 1000 L of water to cover one ha of pasture and range. For pasture and range grass repeat as necessary. Do not apply to fields occupied by dairy animals, but may be grazed or harvested on the day of application. In alfalfa, use at the rate of 2 to 3 L in 1000 L of water per ha. Apply when about 75% of foliage shows feeding damage. Repeat treatments as necessary. Do not apply within 7 days of harvest. Do not apply when crop is in bloom.

ORNAMENTALS: To control Aphids, Bagworm, European shoot moth, Fourlined plant bugs, Lace Bugs, Leafhoppers, Leafminers, Mealybugs, Pine needle scale, Sawflies, Scale insects (crawlers), Spider mites, Tarnished plant bugs, Tent caterpillars, Thrips. Mix 1.5-3 L of MALATHION 500 with 1000 L of water per ha. Apply at first appearance of pest. Obtain thorough coverage on all surfaces. Repeat as necessary. For use in approved hose-end sprayers. Replenish cartridges as necessary to maintain proper dosage.

(Note: Injury may occur on African violet, Boston fern, Crannula, Ilox, Juniper (Canaerti & Sabina), Maidenhair fern, Petunia, Pteris fern, and young plants.)

To control Spruce budworm, mix at the rate of 60 mL per 10 L of water and apply as soon as larvae appear. A second application may be necessary after 5-7 days, if a thorough drench is not made.

GREENHOUSE ORNAMENTALS: Carnation, Chrysanthemum, Geranium, Rose, Snapdragon, Foliar Spray - to control Aphids, Mealybugs, Spider mites, Thrips, Whitefly. Mix 15-16 mL of MALATHION 500 with sufficient water to cover 100 m². Repeat as necessary.

GARDEN AND YARDS: To control Ants, Clover mites, Grasshoppers, Millipedes, Spiders, and Sowbugs. Mix at the rate of 30 mL per litre of water. Repeat at 9-10 day intervals. Do not spray edible plants. Apply when insects congregate. For Clover mites, apply to exterior wall surfaces and grasses along building foundations.

OUTDOOR AREAS: To control adult Mosquitoes, mix at the rate of 1 mL per litres of water. This mixture can be used as a space spray.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Hazardous if swallowed, inhaled, or absorbed through the skin. May cause cholinesterase inhibition. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. Wash exposed skin areas thoroughly with soap and water after working with malathion. Remove contaminated clothing. Clean contaminated clothing before reuse. Use a respirator when spraying crops in greenhouses or other enclosed areas. Do not contaminate food or feedstuffs. Do not treat dairy barns. Do not apply to pastures 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 (except in ointment form), or nose of any animal. Containers should be kept tightly closed when not in use. Do not store product near food, feed, fertilizers, seed, and like commodities. Highly toxic to fish and bees.

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

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 swallowed and patient is conscious, induce vomiting by giving syrup of ipecac or by putting finger down throat. If breathing is weak, give artificial respiration. Get prompt medical attention.

TOXICOLOGICAL INFORMATION: 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 (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 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.

DISPOSAL:

1. Rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of unused, unwanted product and the cleanup of spills contact the Provincial Regulatory Agency or the Manufacturer.

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.

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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SUPPLEMENTAL LABEL

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CROP	PEST	RATE per Hectare
CANARY SEED	Aphids	1.1 - 2.75 L
Do not apply within 7 days of harvest.		
LENTIL	Grasshopper	1.7 L
Two applications, with 7 day interval between ground or aerial application. Do not apply within 14 days of harvest.		
WILD RICE	Wild riceworm	2.25 L
For cultivated wild rice. One application/year. Use knapsack sprayer or similar applicator. Do not apply within 10 days of harvest.		
Limitation: Do not use on fish-bearing waters such as rivers or lakes.		

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