

Data Pak

GROUP	1B	INSECTICIDE
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MALATHION 25W

WETTABLE POWDER INSECTICIDE

COMMERCIAL

CAUTION            POISON

READ THE LABEL AND BOOKLET BEFORE USING

REGISTRATION NO. 14656

PEST CONTROL PRODUCTS ACT

GUARANTEE: Malathion 25%

UNITED AGRI PRODUCTS CANADA INC.

789 Donnybrook Drive

Dorchester, Ontario

N0L 1G5

NET CONTENTS: 2 kg

09/04

## DIRECTIONS FOR USE

For best results apply when the temperature is 20°C or higher. Use sufficient volume of spray per hectare for good coverage of all plant parts. For tree fruits, approximately 3000 litres of dilute spray or an equivalent amount of material as a concentrate spray per hectare, for vegetables 1000 litres dilute spray per hectare. For proper timing of the application, follow the Provincial Spray Guides. Repeat at 10 - 12 day intervals or as necessary.

## RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that MALATHION 25W Insecticide contains a Group 1B insecticide/acaricide. Any insect/mite population may contain individuals naturally resistant to MALATHION 25W Insecticide and other Group 1B insecticide/acaricide. The resistant individuals may dominate the insect/mite population if this group of insecticides/acaricides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay insecticide/acaricide resistance:

- Where possible, rotate the use of MALATHION 25W Insecticide or other Group 1B insecticides/acaricides with different groups that control the same pests in a field.
- Avoid application of more than the indicated number of sprays of MALATHION 25W Insecticide or other insecticides/acaricides in the same group in a season.
- Use tank mixtures with insecticides/acaricides from a different group when such use is permitted.
- Insecticide/acaricide use should be based on an IPM program that includes scouting, record keeping and considers cultural, biological and other chemical control practices.
- Monitor treated pest populations for resistance development.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information and to report suspected resistance, contact the Technical Service of United Agri Products at 1-800-265-4624 or [at www.uap.ca](http://www.uap.ca).

CROPS	INSECTS	RATE
APPLE	Codling Moth, Mites (European red, two-spotted, yellow clover). Aphids Mealy Bug, Red-banded leafroller, Plum Curculio, Tent Caterpillar.	2 - 5 kg per 1000 litres
PEAR	Aphids, Codling Moth, Fruittree leafroller, Mealy bugs, Pear Psylla (suppression only). Red banded leafroller, Plum Curculio, Tent Caterpillar.	2 - 5 kg per 1000 litres
PEACH, PLUM, CHERRY	Plum curculio, Mealy Plum aphid, Black cherry aphid.	2.5 to 3.75 kg per 1000 litres
STRAWBERRY	Leafrollers, Aphids, Strawberry Leafhoppers.	2.75 - 4.25 kg per hectare
RASPBERRY	Raspberry sap beetles, Rose chafer, Thrips, adult Bud weevil, Leaf-hoppers, Raspberry fruitworm.	4 - 5 kg per 1000 litres
CURRENT,- GOOSEBERRY	Spider mites, Thrips, Aphids, Leafhoppers, Currant fruit fly.	2 - 2.5 kg per 1000 litres
BLUEBERRY	Blueberry maggot, Cherry fruitworm, Cranberry fruitworm, Spider mites, Thrips, Aphids. For cranberry fruitworm, apply 2500 litres per hectare at egg hatch and repeat three times at intervals of 4 to 5 days.	2.25 kg in 1000 litres per hectare
ASPARAGUS	Asparagus beetle	5.5 kg per hectare
POTATO, TOMATO	Tomato russet mite, Spider mites, Aphids, Leafhoppers, Colorado Potato beetles.	2.75 - 4.25 kg per hectare
CELERY, GARLIC, LEEK, ONIONS (Bulb green), PEA, SHALLOT	Aphids, Pea weevil, Pea Moth, Leafhoppers, Spider mites,Thrips.	4.25 kg per hectare
BEANS, ENDIVE, FIELD LETTUCE (Leaf, Head). GREENHOUSE LETTUCE (Leaf, Head). SALISFY	Mexican Bean beetle, Spider mites, Aphids. On greenhouse lettuce use no more than 2 applications.	2.75 kg - 5.5 kg per hectare
BEET, BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CARROT, CAULIFLOWER, EGGPLANT, HORSERADISH, KALE, KOHLRABI, PAR- SNIP, PEPPER, RADISH, RUTA- BAGA, TURNIP	Imported Cabbage worm, Cabbage looper, Aphids, Pepper weevil (maggot).	2.25 kg - 5.5 kg per hectare
CUCUMBER, MELON, PUMPKIN, SQUASH	Aphids, Spider mites, Leafhoppers, Cucumber beetle. Do not spray unless foliage is dry.	4.25 kg per hectare (for melon 4 to 5.5 kg)
SPINACH	Leafminer, Aphids	5.5 to 7 kg per hectare

ORNAMENTAL TREES AND SHRUBS, FLOWERS (outdoors and in greenhouse)	Greenhouse whitefly, Aphids, Thrips, Mealy bugs, Spider mites. Apply at first appearance of pest. Repeat as needed. Do not apply on Crimson Maple.	2.5 to 5 kg per 1000 litres (in greenhouse) 30g/100m <sup>2</sup>
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MUSHROOMS: Phorid and Sciarid flies, mites. Mix 4 - 6 kg of MALATHION 25W in 1000 L of water. Apply 120 L of spray mixture per 1000 m<sup>2</sup> of bed surface immediately after picking and repeat about two times per week or as required but not later than two days before picking.

MUSHROOMS: Phorid and Sciarid flies. Spray or paint as needed on wooden surfaces to the point of run-off. Avoid spraying on the bed surface whenever the time of application or the volume of spray is different from the use pattern above. Mix 4-6 kg of MALATHION 25W in 1000 L of water.

**DAYS BEFORE HARVEST: DO NOT APPLY TO CROPS WITHIN THE FOLLOWING PRE-HARVEST INTERVALS:**

1 Day	Asparagus, blueberry, raspberry, beans
2 Days	Mushrooms
3 Days	Apple, cherry, plum, pear, currants, gooseberry, strawberry, broccoli, cucumber, eggplant, head lettuce (field grown), leeks, garlic, melon, green onion, pea, pepper, potato, pumpkin, shallot, squash, tomato.
7 Days	Peach, table beet, Brussels sprouts, cabbage, carrot, cauliflower, celery, endive, head lettuce (greenhouse), horseradish, parsnip, radish, salsify, spinach, turnip (rutabaga), kale, kohlrabi
14 Days	leaf lettuce (field grown)
21 Days	leaf lettuce (greenhouse)

**HAZARDOUS PROPERTIES:** Highly toxic to fish and bees. May cause injury to ornamentals (Crassula, Holly, African Violet, Petunia, Sabina and Canaerti Junipers, Boston - Maidenhair and Pteris ferns).

**PRECAUTIONS:** KEEP OUT OF REACH OF CHILDREN. Hazardous if swallowed, inhaled or absorbed through skin. Avoid breathing spray mist or dust. Avoid contact with skin, eyes or clothing. Wash exposed skin areas thoroughly with soap and water after working and before eating, drinking or smoking. Remove and clean contaminated clothing before re-use. Use a respirator when spraying crops in greenhouses or other enclosed areas. Do not contaminate feed, food, fertilizer, seed and like commodities. Do not spray any plants while in bloom. Avoid contaminating any water body. Wash treated food before eating.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., contact 1-866-375-4648 or [www.cropro.org/](http://www.cropro.org/).

DO NOT APPLY BY AIR.

**FIRST AID:** If swallowed, INDUCE VOMITING. Repeat until vomit fluid is clear. Bring patient to nearest hospital taking this labelled container with you. Obtain medical attention or contact a poison control centre IMMEDIATELY. In case of skin contact, wash skin with soap and water. If in eyes, flush with plenty of water for 15 minutes and get 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. Do not use 2-PAM.

**SYMPTOMS OF POISONING:** Headache, weakness, blurred vision, nausea.

**STORAGE** Store away from food and feed.

**DISPOSAL:**

1. Thoroughly empty the contents of the container into the application device.
2. Make the empty container unsuitable for further use.
3. Dispose of the container in accordance with provincial requirements.
4. For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**NOTICE TO USER:** This control product is to be used 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 the product and accepts the product on that condition.