

TO CAUSE A HAZARD IN THE USE, STORAGE OR DISPOSAL OF THIS SUBSTANCE IS AN OFFENCE.

PRECAUTIONS

1. Handle with care. Avoid splashing and contact with eyes, nose and mouth.

2. Poisonous by swallowing, inhalation and contact with skin.

3. WEAR FULL PROTECTIVE CLOTHING i.e. rubber gloves, rubber boots, overalls, hood and respirator when mixing and applying this insecticide.

4. On completion of spraying, remove protective clothing and wash hands and face thoroughly with soap and water.

5. KEEP APART FROM FOOD AND FOODSTUFFS.

6. **DO NOT** eat, drink or smoke while applying this insecticide.

7. KEEP OUT OF THE REACH OF CHILDREN.

8. Dangerous to livestock and domestic pets.

9. **DO NOT** contaminate drinking pools, dams, rivers, waterways and other water supplies.

10.Store in the original container and KEEP UNDER LOCK AND KEY.

11.Malathion 50EC is toxic to aquatic animals, birds and honey bees.

EMPTY CONTAINER DISPOSAL

Invert the empty container over the spray tank or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the container three times with a volume of water equal to a minimum of 10% of the container. Add the rinsings to the contents of the spray tank. Destroy the empty container by perforation and flattening. Bury away in a designated area or away from water sources. **DO NOT** use for any other purpose. If possible, offer the container for recycling.

DECONTAMINATION OF SPRAYER

Clean applicator thoroughly after use and ensure that all traces of Malathion 50EC are removed. Make use of the following method:

(a) Drain and rinse tank, spray boom and hoses with clean water for at least 10 minutes.

(b) Fill tank with clean water and add to it 1.0 litre household bleach (Sodium Hypochlorite) (5 %) or 1.5 litres of household bleach(3.5 %) per 200 litres of water. Rinse hoses and spray boom and leave in tank for 15 minutes whilst agitating. Drain through nozzle outlets.

(c) Repeat step (b) and thereafter, rinse thoroughly with clean water and dispose of the wash water at a site designated for the disposal of pesticides.

SYMPTOMS OF POISONING:

The concentrate is considered harmful if swallowed. May cause some eye irritation. Malathion 50EC may irritate the skin. Inhalation of solvent may cause nausea and headaches. Inhalation of excessive amounts of spray may cause cholinesterase inhibition. Prolonged or repeated exposure may show adverse effects on liver and kidneys. Malathion 50EC is a cholinesterase inhibitor.

First Aid:

If swallowed: If swallowed, contact a doctor or Poison Control Centre. **DO NOT** induce vomiting. Activated charcoal may be advised. If instructed, give one Atropine tablet 0.6mg every 15 minutes until dryness of the mouth occurs. See a doctor immediately.

If in eyes: Irrigate for 15 minutes with copious quantities of water with eyelids held open. See a doctor immediately.

If on skin: Remove contaminated clothing and launder before re-use. Wash affected areas thoroughly with soap and water. See a doctor immediately.

If inhaled: Inhalation of solvent may cause nausea, headache and vomiting but effects due to Malathion 50EC are unlikely. Remove to fresh air until recovered. See a doctor immediately.

Note to Physician:

A cholinesterase inhibitor. Atropine treatment may be required or treat with up to 10mg of IV diazepam. Curare therapy is contraindicated. Treat hydrocarbon pneumonitis secondary to pulmonary oedema. Do not give adrenergic amines, aminophylline, succinylcholine, phenothiazines or reserpine alkaloids or oils.

WARRANTY:

The excellent results which this chemical should normally yield are not however warranted or guaranteed as effectiveness can be greatly influenced by factors outside the control of either the manufacturers or suppliers. No warranty whatsoever expressed or implied is therefore given concerning the performance or effectiveness of this chemical and responsibility is specifically excluded for any damage, injury or loss of any kind during or resulting from its handling, use or storage of this product.

Shelf life: Two years from the date of manufacture if kept in the original unopened container under constant cool and dry conditions.

BATCH No.:

Date of manufacture:

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MALATHION 50EC

INSECTICIDE

Reg. No. 20-D-48-75

Net Contents:

CAUTION

HARMFUL IF SWALLOWED

Composition (mass/volume)

Malathion500 g/l

Chemical groups: organophosphate

A NON-SYSTEMIC ORGANOPHOSPHORUS INSECTICIDE, WITH CONTACT AND STOMACH ACTION, USED TO CONTROL A WIDE RANGE OF SUCKING AND CHEWING INSECT PESTS IN A VARIETY OF FIELD CROPS, FRUITS AND VEGETABLES.

Registered and Distributed by:

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DIRECTIONS FOR USE: Use only as directed

Crop	Target Pest	Dosage rate per given litres of water/ha	Application remarks
Apples and pears	Wooly aphids	12ml per 10l of water (120ml/ 100l of water)	Apply as a full cover spray. Repeat if necessary.
Apples, Pears, Apricots, Nectarines and Plums.	Aphids, Bryobia mites, Mealy bugs, Red spider mites	12ml per 10l of water (120ml/ 100l of water)	Apply as a full cover spray. Repeat if necessary at 10-day intervals.
	Fruit fly	18 - 20ml per 10l of water (180-200 ml/100l of water)	Mix with 7.5kg of sugar. Apply 250ml of spray mixture per tree as a coarse spray. Repeat if necessary at weekly intervals or after rains.
Ornamentals (except roses) and Vegetables (except celery and spinach)	Aphids and Red spider mites	12ml per 10l of water (120ml/ 100l of water)	Apply as a full cover spray. Repeat if necessary. Vegetables: Apply the concentration for each crop using enough water in spray-mixture to ensure thorough coverage. Repeat if necessary.
	Diamondback moth, CMR beetle	25ml per 10l of water (250ml/ 100l of water)	
	Lessor armyworm	60ml per 10l of water (600ml/ 100l of water)	
	Thrips	25ml per 10l of water (250ml/ 100l of water)	Apply 180 ml/ 100l of water/ha on onions. Apply as a full cover spray. Repeat if necessary.
Lawns	Lawn caterpillar	25ml per 10l of water (250ml/ 100l of water)	Apply as a full cover spray and ensure lawn is well-watered.
Mushroom	Mushroom Fly	15ml per 10l of water (150ml/ 100l of water)	Apply as a drench twice weekly. May be used after picking.
Mushroom beds	Mites, phorid flies, sciarid flies	25 to 40ml per 10l of water	Apply to an area of 100m ² immediately after picking.
Ornamentals	Oyster shell scales	125 to 250 ml per 10l of water (1250 to 2500ml/ 100l of water)	Apply when scale crawlers have settled on foliage.
	Leafhoppers, Young grasshoppers, Four-lined leaf bugs, Codling moths, Mealybugs, Whiteflies, Native scales, Japanese beetles, Tarnished plant bugs, Lace bugs, European pine shoot moths	200 ml per 10l of water (2000 ml/ 100l of water)	Apply as a full cover spray and treat thoroughly.
	Spruce budworm, Tent caterpillars, Birch leafminers, Boxwood leafminers, Bagworms	250 ml/ 10l of water (2500 ml/ 100l of water)	Apply as a full cover spray and treat thoroughly.
	Pine needle scale	500 ml/ 10l of water (5000 ml/ 100l	Apply as a full cover spray when Scale crawlers have settled on foliage.

APPLICATION CAUTION FOR ORNAMENTALS

Maximum 4 applications per year.

Minimum interval between applications (days): 10 days.

NOTE: Injury may occur on certain ferns, on some species of Crassula, Petunia, Ilex, African violets and Juniper.

Warnings:

DO NOT apply this product to flowering crops or weeds if bees are visiting the treatment area. Minimize spray drift to reduce harmful effects on bees in habitats close to the application site. Malathion 50EC is toxic to certain beneficial insects. Minimize spray drift to reduce harmful effects on beneficial insects in habitats next to the application site such as hedgerows and woodland.

Pre-harvest Intervals (PHI):

Minimum periods between spraying and harvesting

Vegetables: 7 days

Deciduous and sub-tropical fruits: 14 days

Mushrooms: 1 day