THIONEX 50 W

Wettable Powder Insecticide

COMMERCIAL

DANGER POISON

READ THE LABEL BEFORE USING

VERY TOXIC TO FISH

GUARANTEE: Endosulfan 50%

Warning, contains the allergen soy.

REGISTRATION NO. 14617

PEST CONTROL PRODUCTS ACT

UNITED AGRI PRODUCTS CANADA INC.
789 Donnybrook Drive
Dorchester, Ontario N0L 1G5
1-800-265-4624

NET CONTENTS: 1 kg

16292 09/04
DIRECTIONS FOR USE
Unless otherwise mentioned, apply when insects first appear and repeat as required to maintain control. Rates “per 1000 litres” are on basis of dilute spray. Rates “per hectare” for tree fruits are based on mature trees. For vegetables and small fruits, use sufficient water for thorough coverage, depending on foliage development and spray equipment. Thorough wetting of all plant parts, which are to be treated, is essential for good results. Agitate continuously.
Apply by ground only. DO NOT apply by air.

RESISTANCE MANAGEMENT RECOMMENDATIONS
For resistance management, please note that ENDOSULFAN 50 W Insecticide contains a Group 2A insecticide/acaricide. Any insect/mite population may contain individuals naturally resistant to ENDOSULFAN 50 W Insecticide and other Group 2A insecticides/acaricides. 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 ENDOSULFAN 50 W Insecticide or other Group 2A insecticides/acaricides with different groups that control the same pests in a field.
• Avoid application of more than the indicated number of sprays of ENDOSULFAN 50 W 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, United Agri Products, 1-800-265-4624 or at www.uap.ca.

CROPS INSECTS RATE/HECTARE

APPLE, PEAR (EASTERN CANADA)
Green apple aphid, Rosy apple aphid, Pearleaf blister mite, Tarnished plant bugs, 1 kg/1000 L
Apply when local government spray letters or calendars recommend spraying for these insects. Do not make more than 2 applications after Calyx.
White Apple Leafhopper, Potato Leafhopper 2.6 kg/ha
Apply late July, early August when young nymphs are at threshold levels. One application per year.

APPLE, PEAR (BRITISH COLUMBIA)
Green apple aphid, Leafhopper, Rosy apple aphid, Lygus bugs 750 g/1000 L 3.25 kg/ha
Apply late July, early August when young nymphs are at threshold levels. One application per year.

APRICOT, CHERRY, PEACH, PLUM (EASTERN & WESTERN CANADA)
Black cherry aphid, Peach silver mite, Plum rust mite, Green peach aphid, Mealy plum aphid, Twig borer, Plant bugs, Slit bugs, Leafhopper and Eye-spotted budmoth 0.75-1 kg/1000 L 3.25-4.5 kg/ha
For Peach silver mite use the higher rate. Apply at the time and rates as recommended in local government calendar or spray letters. Do not make more than 2 applications during the fruiting season. Do not apply within 15 days of harvest.

GRAPE Phylloxera (leaf form) in Ontario 1 kg/1000 L
To control the leaf-form of Phylloxera, apply in regular post-bloom spray and repeat in the first cover spray. Spray 2500 L/ha of spray as thorough coverage is necessary for good control. Do not apply later than 30 days before harvest.

STRAWBERRY Cyclamen mite 2-4 kg/ha
Apply 4000-8000 L/ha depending on foliage development before bud formation in spring; repeat after harvest if mites present.
Tarnished plant bug, Strawberry aphid, Spittle bug 2 kg/1000 L
Apply 2000 L/ha. For plant bug, apply at first bloom and repeat 10 days later. For aphid, apply when noticed, repeat as necessary. For Spittle bug, apply when eggs hatch. ENDOSULFAN is moderately toxic to bees and can be safely applied in early morning or evenings when bees are not working in the field. Do not apply within 7 days before harvest.

Geese may be used for weeding after 24 hours following application of ENDOSULFAN 50W. Such geese may be used for human consumption after 2 months following the last application.

POSSIBLE USES

EGGPLANT Do not apply within 2 days of harvest. If applied at 2.25 kg/ha, the Tomato fruit worm is also controlled.

PEPPER, Apply lower rate when insects first appear, repeat as required. Spray plants thoroughly, also underside of leaves.

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APPLE, PEAR Green apple aphid, Rosy apple aphid, Pearleaf blister mite, Tarnished plant bugs, 750 g/1000 L 3.25 kg/ha
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<table>
<thead>
<tr>
<th>CROPS</th>
<th>INSECTS</th>
<th>RATE/HECTARE</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOMATO, CUCUMBER (Greenhouse)</td>
<td>Aphid, Whitefly, Aphis, Squash vine borer, Potato flea beetle</td>
<td>1.1 kg/ha</td>
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<tr>
<td>CUCUMBER, MELON, SQUASH, PUMPKIN</td>
<td>Aphid, Cucumber beetle, Squash vine borer, Potato flea beetle</td>
<td>1.1 kg/ha</td>
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<tr>
<td>CABBAGE, CAULIFLOWER, BROCCOLI, BRUSSELS SPROUTS</td>
<td>Aphid, Flea beetle, Imported cabbage worm, Cabbage looper, Diamondback moth (larvae)</td>
<td>1.1-1.75 kg/ha</td>
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<tr>
<td>CELERY, SPINACH, HEAD LETTUCE</td>
<td>Aphid, Cabbage looper, Imported cabbage worm</td>
<td>1.75 kg/ha</td>
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<tr>
<td>ORNAMENTALS (Outdoors &amp; Greenhouse)</td>
<td>Aphids, Whitefly, Cyclamen mite, Black vine weevil, Rose chafer, Spruce gall aphid, Elm leaf beetle</td>
<td>1 kg/1000 L</td>
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</tbody>
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**COMPATIBILITY**

Endosulfan is compatible with most commonly used insecticides and fungicides, except Bordeaux mixture and hydrated lime.

**PRECAUTIONS**

**KEEP OUT OF REACH OF CHILDREN.** Hazardous if swallowed, inhaled or absorbed through the skin. After handling, wash thoroughly with soap and water before drinking or smoking and change to clean clothing. Do not apply or allow to drift to areas occupied by unprotected persons and animals or to streams, lakes or ponds to protect wildlife: THIS PRODUCT IS VERY TOXIC TO FISH. Avoid contamination of feed or food, including such crops on which residue is unsafe. Do not contaminate fertilizer, seed and like commodities. Causes severe injury to Concord grapes. Some injury may occur to lima beans, geraniums and chrysanthemums. When spraying in greenhouses and during commercial or prolonged exposure in spray-mixing and loading operations, wear synthetic rubber gloves and a suitable mask or respirator for ENDOSULFAN protection, such as American Optical Respirator 5058 or Wilson Agritox Respirator. Avoid breathing dust.

**FIRST AID**

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.

Visit CropLife Canada’s web site at: www.croplife.ca
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