THIODAN®
50 WP INSECTICIDE
WETTABLE POWDER

COMMERCIAL

VERY TOXIC TO FISH

GUARANTEE: Endosulfan 50%

REGISTRATION NO.: 15821
PEST CONTROL PRODUCT ACT

READ THE LABEL BEFORE USING

Aventis CropScience Canada Co.
295 Henderson Drive
Regina, SK. S4N 6C2
Telephone: 1-888-AVENTIS (1-888-283-6847)

Bayer CropScience Inc.
Suite 100
3131-114th Ave. S.E.
Calgary, AB T2Z 3X2

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN: Hazardous if swallowed, inhaled or absorbed through the skin. Avoid breathing dust or spray mist. After handling, wash thoroughly with soap and water before eating, 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, rivers 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 to Lima Beans, Geraniums and Chrysanthemums. When spraying in greenhouses and during commercial or prolonged exposure in spray, mixing and loading operations, wear chemical resistant gloves and a suitable mask or respirator for THIODAN 50WP protection, such as American Optical Respirator 5058 or Wilson Agritox Respirator.
FIRST AID:

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**INGESTION:** If swallowed, induce vomiting by touching back of throat with finger; repeat until vomit fluid is clear. Rush patient to nearest hospital taking this labelled container with you, or contact a poison control centre.

**SKIN CONTACT:** In case of skin contact, remove contaminated clothing and wash skin with soap and water.

**EYE CONTACT:** If in eyes, flush with plenty of water for 15 minutes and go to nearest hospital at once, or contact a poison control centre.

**INHALATION:** If inhaled, remove patient to fresh air, administer artificial respiration if not breathing and summon medical help immediately.

**TOXICOLOGICAL INFORMATION:**

Medical personnel should contact Aventis’ medical information services toll-free: 1-800-334-7577. Endosulfan is a central nervous system stimulant. Symptoms of poisoning are nausea, headache, general feeling of being unwell, followed by generalized convulsion. There is no specific antidote. Use saline cathartics and gastric lavages. Amobarbitol-sodium may be given intravenously for convulsions. Do not give stimulants.

**STORAGE:**

Store the tightly closed bag away from feeds, seeds, fertilizer, plants and foodstuffs. Keep in original container during storage.

**CONTAINER DISPOSAL:**

1. Empty the bag thoroughly into the spray mixture in the tank.
2. Render the empty bag unsuitable for further use.
3. Dispose of the bag in accordance with provincial requirements.
4. For information on the disposal of unused, unwanted product, contact the provincial regulatory agency or the manufacturer. Contact the manufacturer and the provincial regulatory agency in case of a spill or for clean-up of spills.

**DISPOSAL OF UNUSED SPRAY SOLUTION:**

If any spray solution remains in the tank after spraying is finished, it should be sprayed on the perimeter of the field just sprayed - NOT ON THE CROP and away from water supplies, ditches and irrigation canals.

**NOTICE TO USER:**
This control product is to be used only in accordance with these 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.

DIRECTIONS FOR USE

DO NOT APPLY BY AIR. Unless otherwise mentioned, apply when insects first appear and repeat as required to maintain control. Rates “per 1000 L” are on the 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 spray mixture continuously.

<table>
<thead>
<tr>
<th>CROPS, INSECTS</th>
<th>METHOD OF APPLICATION</th>
<th>RATE</th>
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<tbody>
<tr>
<td><strong>APPLE, PEAR</strong></td>
<td><strong>EASTERN CANADA</strong></td>
<td></td>
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<tr>
<td>Green Apple Aphid,</td>
<td>Apply when local government</td>
<td>1.0 kg/1000L</td>
</tr>
<tr>
<td>Rosy Apple Aphid,</td>
<td>spray letters or calendars</td>
<td>4.5 kg/ha</td>
</tr>
<tr>
<td>Pear Leaf Blister</td>
<td>recommend spraying for these</td>
<td></td>
</tr>
<tr>
<td>Mite, Tarnished</td>
<td>insects. Do not make more than 2</td>
<td></td>
</tr>
<tr>
<td>Plant Bugs</td>
<td>applications after Calyx. DO NOT APPLY WITHIN 15 DAYS OF HARVEST.</td>
<td></td>
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<tr>
<td>Rust Mite, Pear</td>
<td>Apply when local government</td>
<td>1.5kg/1000 L</td>
</tr>
<tr>
<td>Psylla, Codling</td>
<td>spray letters or calendars</td>
<td>6.75 kg/ha</td>
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<tr>
<td>Moth</td>
<td>recommend spraying for these</td>
<td></td>
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<tr>
<td></td>
<td>insects. DO NOT APPLY WITHIN 15 DAYS OF HARVEST.</td>
<td></td>
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<tr>
<td><strong>APPLE, PEAR</strong></td>
<td><strong>BRITISH COLUMBIA</strong></td>
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<tr>
<td>Green Apple Aphid,</td>
<td>Apply according to provincial</td>
<td>0.75kg/1000L</td>
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<tr>
<td>Leafhopper,</td>
<td>recommendations. DO NOT APPLY</td>
<td></td>
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<tr>
<td>Rosy Apple Aphid,</td>
<td>WITHIN 15 DAYS OF HARVEST.</td>
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<tr>
<td>Lygus Bugs</td>
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<tr>
<td>Rust Mite,</td>
<td>Apply when local government</td>
<td>1.0 kg/1000L</td>
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<tr>
<td>Wooly Apple Aphid,</td>
<td>spray letters or calendars</td>
<td>4.5 kg/ha</td>
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<tr>
<td>Pear Leaf Blister</td>
<td>recommend spraying for these</td>
<td></td>
</tr>
<tr>
<td>Mite</td>
<td>insects. DO NOT APPLY WITHIN 15 DAYS OF HARVEST.</td>
<td></td>
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<tr>
<td>PEACH, APRICOT, PLUM, CHERRY</td>
<td>EASTERN AND WESTERN CANADA</td>
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| Peach Tree Borer (Root Borer), Lesser Peach Tree Borer | Make 3 applications in Eastern 1.5 kg/
| | Canada (2 applications in B.C.) 1000 L when local government spray calendar recommends spraying. Spray thoroughly all bark area on trunk and main scaffold limbs. Apply coarse spray with a gun at 2000-2750 kPa pressure. Avoid spraying on the fruit. DO NOT APPLY WITHIN 15 DAYS OF HARVEST. |

| Black Cherry Aphid, Peach Silver Mite, Plum Rust Mite, Green Peach Aphid, Mealy Plum Aphid, Twig Borer, Plant Bugs, Stink Bugs, Leafhopper, Eye-Spotted Budmoth | Also controls Leafhopper, and 0.75-1.0 kg/ Eye-Spotted Budmoth. For Peach 1000 L, Silver Mite, use the higher rate. 3.25-4.5 kg/ha |

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<thead>
<tr>
<th>APPLE</th>
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<tr>
<td>White Apple Leafhopper, Potato Leafhopper</td>
<td>Apply late July, early August 2.6 kg/ha when young nymphs are at threshold levels. Make one application per year. DO NOT APPLY WITHIN 15 DAYS OF HARVEST.</td>
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<tr>
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<tbody>
<tr>
<td>Phylloxera (leaf form) in Ontario Leafhopper in British Columbia</td>
<td>To control the leaf-form of 1.0 kg/ Phylloxera, apply in regular 1000 L post-bloom spray and repeat in the first cover spray. Spray 3000 L of spray mixture per hectare as thorough coverage is necessary for good control. DO NOT APPLY LATER THAN 30 DAYS BEFORE HARVEST.</td>
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<tr>
<th>STRAWBERRY</th>
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<tr>
<td>Cyclamen Mite</td>
<td>Apply in 4000-8000 L of water 4.0 kg/ha per hectare depending on foliage development before bud formation in Spring. Repeat after harvest if mites present.</td>
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</tbody>
</table>
Tarnished Plant Bug Apply in 2000 L of water 2.0 kg/ha per hectare. For Plant Bug, apply at first bloom and repeat 10 days later. For aphids apply when noticed. Repeat as necessary. For Meadow Spittle Bug apply when eggs hatch. DO NOT APPLY WITHIN 7 DAYS OF PICKING BERRIES.

THIODAN 50WP is moderately toxic to bees and can be safely applied in early morning or evening when bees are not working in the field. Geese may be used for weeding after 24 hours following application of THIODAN 50 WP. Such geese may be used for human consumption after 2 months following the last application.

POTATO
Aphid, Colorado Potato Beetle, Potato Flea Beetle, Tuber Flea Beetle, Leafhopper, Tarnished Plant Bug Apply when insects first appear; repeat as necessary to maintain control. For Tarnished Plant Bug, use 1.5 kg per hectare. May be applied up to the day of harvest. DO NOT ENSILE OR FEED CROP REFUSE (VINES, TIPS, STOCKS OR THRESHINGS) TO LIVESTOCK.

EGGPLANT
Aphid, Hornworm, Col. Potato Beetle, Flea Beetle, Pepper Maggot, Leafhopper, Tomato Fruit Worm Apply when insects first appear; repeat as required. Spray plants thoroughly, also underside of leaves. If applied at 2.25 kg per hectare the Tomato Fruit Worm is also controlled. DO NOT APPLY WITHIN 2 DAYS OF HARVEST.

TOMATO, CUCUMBER
(Greenhouse) Whitefly, Aphid Spray plants thoroughly when insects first appear; repeat as necessary. Wear suitable mask or respirator. DO NOT APPLY WITHIN 2 DAYS OF HARVEST.

CUCUMBER, MELON, SQUASH, PUMPKIN
Aphid, Cucumber Beetle, Squash Vine Borer, Potato Flea Beetle Apply when aphids and beetles first appear and repeat as required. For Squash Vine Borer make 4 applications at 7 day intervals, starting late June and thoroughly spray the base and stems of plants. DO NOT APPLY
WITHIN 2 DAYS OF HARVEST.

Tarnished Plant Bug
Ground application: mix in sufficient water for good coverage. Apply when pest first observed, repeat as required. DO NOT APPLY WITHIN 2 DAYS OF HARVEST.

CABBAGE, BROCCOLI,
CAULIFLOWER,
BRUSSELS SPROUTS
For all loopers, use 1.75 kg and use drop pipes to spray underside
Aphid, Flea Beetle, of foliage. Use the 1 kg rate
Imported Cabbage only for small worms and flea
Worms, Cabbage larvae use the 1.75 kg rate. DO NOT APPLY WITHIN 14 DAYS OF HARVEST.
Looper, Diamondback NOT FEED CROP REFUSE TO LIVESTOCK. DO NOT APPLY LATER THAN 7 DAYS BEFORE HARVEST.
Moth (larvae)

CELERY, SPINACH,
HEAD LETTUCE
Trim Celery at harvest. Do not apply more than once on Spinach
Aphid, Cabbage Looper, FEED CROP REFUSE TO LIVESTOCK. DO NOT
Imported Cabbage APPLY TO GREENHOUSE LETTUCE.
Worm, Tarnished DO NOT APPLY WITHIN 14 DAYS OF HARVEST.
Plant Bug

ORNAMENTALS
(Outdoors and Do not use on Birch Trees. 1.0-1.5 kg/
Greenhouse) Aphid, Cyclamen Mite requires very 1000 L
Whitefly, Cyclamen thorough application. On Chrysanthemums, apply before flowering for best results. DO
Mite, Black Vine Weevil, Rose NOT treat Bonnafon mums, and
Weevil, Rose Chafer, Spruce Gall Geraniums in the greenhouse or
Chafer, Spruce Gall mum cuttings within one month of planting. When applying in Greenhouse, wear suitable mask or respirator. For Black Vine Weevil on Japanese Yew, use 1.5 kg/1000 L and spray lower branches and soil in early July. For Spruce Gall Aphid apply in first half of May.
Aphid, Elm Leaf Beetle

FOR MORE INFORMATION, CONTACT:

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