

(Container)



# Kelthane\* 50W

## Agricultural Miticide

GROUP	3	ACARICIDE
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**Contains Dicofol**

AGRICULTURAL

READ THE LABEL AND BOOKLET BEFORE USING  
KEEP OUT OF REACH OF CHILDREN

GUARANTEE: Dicofol 51%

REGISTRATION NO. 24707 PEST CONTROL PRODUCTS ACT



**WARNING – EYE IRRITANT  
POTENTIAL SKIN SENSITIZER**

NET CONTENTS: 3.5 kg

**Dow AgroSciences Canada Inc.**  
Suite 201, 1144 - 29 Avenue N.E.  
Calgary, Alberta  
T2E 7P1  
1-800-667-3852

\*Trademark of Dow AgroSciences LLC

## **PRECAUTIONS**

### **KEEP OUT OF REACH OF CHILDREN**

Causes moderate eye injury. Harmful if swallowed or inhaled. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with eyes, skin or clothing. Avoid breathing dust or spray mist. This product is a skin sensitizer. Wear chemical-resistant gloves, long sleeved shirt, long pants and shoes plus socks when mixing, loading, or applying this product.

Wash protective clothing with detergent and hot water. Keep and wash protective clothing separately from other laundry. Wash hands before eating, drinking, chewing gum, using tobacco or using toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

### **Re-Entry and Worker Protection Statements**

Do not enter treated areas without protective clothing until sprays have dried. Do not apply this product in such a manner as to directly or through drift, expose workers or other persons. The area being treated must be vacated by unprotected persons. In case of accidental exposure: call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to Kelthane 50W Miticide and describe condition. For further information see the First Aid instructions.

## **FIRST AID**

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

**If in eyes: IMMEDIATELY** flush with large amounts of water for at least 15 minutes. Consult a physician or contact a poison control centre **IMMEDIATELY** if irritation persists.

**If on skin: IMMEDIATELY** wash with plenty of soap and water. Get medical attention if irritation develops or contact a poison control centre.

**If inhaled:** Remove individual to fresh air. Consult a physician or contact a poison control centre **IMMEDIATELY** if effects occur.

**If swallowed:** DO NOT induce vomiting unless instructed to do so by qualified medical personnel. If conscious, give individual two glasses of water to drink and consult a physician or contact a poison control centre **IMMEDIATELY**. Do not give anything by mouth to an unconscious person.

## **TOXICOLOGICAL INFORMATION**

No specific antidote. Employ supportive care. Treatment should be based on judgment of the physician in response to reactions of the patient.

## **AGRICULTURAL CHEMICAL**

Do not ship or store with food, feeds, drugs or clothing.

## **ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Do not apply directly to lakes, streams or ponds. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply where run-off is likely to occur. Do not apply when weather conditions favour drift from treated areas.

## **STORAGE**

Do not store near feed, seed, fertilizers or food products.

**DISPOSAL**

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For information on 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 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.

(Booklet)



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**CAUTION**  **POISON**

**WARNING – EYE IRRITANT  
POTENTIAL SKIN SENSITIZER**

NET CONTENTS: 3.0 kg, 3.5 kg, 20 kg, 25 kg, 544 kg, bulk

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2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

#### **Returnable Containers:**

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

For information on 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.

#### **GENERAL INFORMATION**

Kelthane 50W miticide is a wettable powder formulation that gives high initial kill and residual activity against most species of agricultural mites, including European red mite, two-spotted (red-spider) mite, six-spotted mite, Pacific mite, privet mite, Schoene mite, yellow (carpini) mite, McDaniel mite, spruce mite, pear rust mite and apple rust mite. Kelthane is a specific miticide and will not kill bees and beneficial insect predators when used as recommended.

#### **GENERAL USE PRECAUTIONS**

- **DO NOT APPLY BY AIR.**
- Do not put Kelthane 50W miticide in alkaline (high pH) solutions or mix with lime or lime-containing products. Adjust the pH of the spray solution to pH 5 to 7 with a buffering agent after adding Kelthane 50W to the tank.
- 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/)

#### **Tank Mixtures**

Do not apply this product with any other additive, pesticide or fertilizer except as specifically recommended on this label.

#### **DIRECTIONS FOR USE**

READ ALL DIRECTIONS CAREFULLY BEFORE APPLYING. FAILURE TO FOLLOW LABEL INSTRUCTIONS MAY RESULT IN ERRATIC MITICIDE CONTROL OR CROP DAMAGE.

Kelthane 50W miticide may be applied in dilute or concentrate sprays. The amount of Kelthane 50W used per hectare is the same regardless of spray volume. Kelthane 50W is a contact miticide, not a systemic pesticide. Mites must come in contact with Kelthane 50W as it is sprayed or be exposed to Kelthane residues on the leaf and/or fruit surfaces. Since mites often infest the under-surfaces of leaves and fruits, effective control requires an application that thoroughly and uniformly coats all aerial plant surfaces. For maximum effectiveness, Kelthane 50W miticide should be applied to low populations of mites.

The following chart is offered as a guide in preparing dilute, high volume sprays. For concentrate sprays, the amount of water used should be reduced in accordance with instructions from the sprayer manufacturer but the amount of Kelthane 50W applied per hectare should be the same whether dilute or concentrate sprays are used. Apply in sufficient water to ensure uniform thorough coverage of foliage and fruit.

**Summary of KELTHANE 50W Dosage Rates and Limitations Between Last Application and Harvest.**

Crop <sup>1</sup>	Kilograms of Kelthane 50W per hectare Each Application		Mixing Rate in Kilograms per 1000 litres Dilute Spray <sup>2</sup>	Days Before Harvest
	Small Plants	Large Plants		
Apples, Pears Crabapples Quinces Cherries Plums Prunes Peaches Apricots	(Refer to Use Directions Below)			7 7 7 7 7 7 7 14 14
Grapes, hops	1.25	3.00	0.7	7
Strawberries	1.40	3.50	0.7	7
Beans, Melons	1.00	1.25	0.7	7
Watermelons	1.00	1.25	0.7	7
Cantaloupes	1.00	1.25	0.7	7
Cucumbers, Squash	1.00	1.25	0.7	7
Pumpkins	1.00	1.25	0.7	7
Tomatoes, Peppers,	1.00	1.50	0.7	7
Alfalfa, Clover, other legumes for seed only	1.25	2.00	0.7	
Ornamentals, Clover mites around the houses	(Refer to Use Instructions Below)			

<sup>1</sup> To improve the spray coverage on difficult to wet crops such as peaches and apricots, and to smooth out spray deposits on maturing apples and other fruits add a suitable wetting agent.

<sup>2</sup> Adjust water volume if concentrate sprays are used. Amount of spray applied per hectare must be adjusted to the size and number of trees or plants per hectare and the foliage density.

**APPLES, PEARS, CRABAPPLES, QUINCES:** To control two-spotted, Schoene, McDaniel, yellow (carpini), Pacific, Apple rust and Pear Rust mite and to clean up late spring European red mite and clover mite, apply at petal fall to second cover or whenever mite population appears. Make a thorough full-coverage application. Apply 3.25 kilograms Kelthane 50W for trees under 4.5 meters, for trees greater than 4.5 meters apply 4.25 to 5.0 kilograms. Use only one application of Kelthane 50W per season. Rotate Kelthane 50W with other miticides. Apply in a large volume of water to ensure good coverage. Do not feed apple pomace to livestock.

**PEACHES, APRICOTS, CHERRIES, PLUMS, PRUNES:** For European red, clover (brown almond), two-spotted, Schoene, McDaniel, Pacific, peach silver, plum nursery and yellow mites, apply at petal fall to first cover or whenever mite population appears. Apply 3.25 kilograms Kelthane 50W for trees under 4.5 meters, for trees greater than 4.5 meters apply 4.25 to 4.50 kilograms. Use only one application of Kelthane 50W per season.

**GRAPES:** For European red, clover (brown almond), two-spotted, Schoene, McDaniel, Pacific, peach silver, plum nursery and yellow mites, apply at petal fall to first cover or whenever mite population appears. Use only one application of Kelthane 50W per season.

**STRAWBERRIES:** For control of spider mites and cyclamen mites use 700 grams Kelthane 50W per 1000 litres of water. Apply 2000-5000 litres per hectare. Force spray into crown of plants. Apply when numbers of mites begin to build. Use only one application of Kelthane 50W per season.

**BEANS, HOPS, CUCUMBERS, CANTALoupES, MELONS, WATERMELONS, PUMPKINS, WINTER AND SUMMER SQUASH, TOMATOES, PEPPERS:** For two-spotted, Pacific, tropical, and tomato russet mites, apply at first signs of mite build-up. Use only one application of Kelthane 50W per season. Do not feed crop residues to dairy cows or meat animals being finished for slaughter.

**ALFALFA, CLOVER, AND OTHER LEGUMES FOR SEED ONLY:** For two-spotted, strawberry (Atlantic), carmine, and Pacific mites, use 1.25 to 2.00 kilograms of Kelthane 50W per hectare in sufficient water for thorough coverage. Apply when mites become active. Do not feed straw or threshings to dairy animals or to meat animals. Do not use on crops to be grazed or harvested for storage. Use only one application of Kelthane 50W per season.

**ORNAMENTALS, FLOWERS, NURSERY STOCK, AND SHADE TREES:** For control of mites on greenhouse or outdoor plants, use 525 grams to 700 grams Kelthane 50W per 1000 litres (0.7 gram per litre) of water. Apply when mites are present. Use only one application of Kelthane 50W per season. Rotate application of Kelthane 50W with other miticides.

**CLOVER MITES AROUND BUILDINGS:** Use 525 grams to 700 grams Kelthane 50W per 1000 litres of water. Thoroughly spray outside walls, foundations and windowsills, and plants and lawn at base of infested buildings. Do not use indoors. Use only one application of Kelthane 50W per season.



**NOTE TO BUYER/USER:** READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR SPECIAL USE APPLICATIONS: The DIRECTIONS FOR USE for this product for the use(s) described below were developed by persons other than Dow AgroSciences Canada Inc. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Dow AgroSciences Canada Inc. itself makes no representation or warranty with respect to performance (efficacy) and/or crop tolerance (phytotoxicity) claims for this product when used on the crop(s) listed on this label.

Accordingly, the Buyer and User assume all liability arising, and agree to hold Dow AgroSciences Canada Inc. harmless from any claims based on efficacy and/or phytotoxicity in connection with the use(s) described on this label.

#### **DIRECTIONS FOR USE**

**CANEBERRIES INCLUDING RASPBERRY, BLACKBERRY AND LOGANBERRY:** For the control of two-spotted spider mite on caneberreries including raspberry, blackberry and loganberry, apply 1.5 – 3.5 kg Kelthane 50W in 1500 – 2000 litres of water/hectare. Use the higher rate for high mite infestation levels, larger brambles or dense foliage. Use only one application of Kelthane 50W per season. Do not apply within 7 days of harvest. For foliar application only, using conventional ground application equipment. Apply when mite populations are beginning to build. Consult local agricultural personnel for information on application timing.

Refer to the main Kelthane 50W label for additional details and instructions.

READ THE ROTATIONAL CROPPING RESTRICTIONS ON THE FULL LABEL BEFORE USING THIS PRODUCT.

#### **RESISTANCE MANAGEMENT RECOMMENDATIONS**

For resistance management, please note that Kelthane 50W contains a Group 3 acaricide. Any mite population may contain individuals naturally resistant to Kelthane 50W and other Group 3 acaricides. The resistant individuals may dominate the mite population if this group of 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 acaricide resistance:

- Where possible, rotate the use of Kelthane 50W or other Group 3 acaricides with different groups that control the same pests in a field.
- Use tank mixtures with acaricides from a different group when such use is permitted.
- 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 or to report suspected resistance contact Dow AgroSciences Canada Inc. at 1-800-667-3852 or at [www.dowagro.ca](http://www.dowagro.ca).

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