

DATAPAK

GROUP **1B** INSECTICIDE

**EMERGENCY USE LABEL**  
**For Sale and use in BC, AB, ON, QC and NS**  
**for the control of Spotted Wing Drosophila from**  
**June 1, 2011 to November 30, 2011.**

# **MALATHION 85E**

COMMERCIAL INSECTICIDE

WARNING POISON

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

REGISTRATION NO. 8372  
PEST CONTROL PRODUCTS ACT

GUARANTEE: Malathion 85%

IN CASE OF EMERGENCY DUE TO A MAJOR SPILL, FIRE OR  
POISONING INVOLVING THIS PRODUCT CALL DAY OR NIGHT, 1-800-  
561-8273.

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

NET CONTENTS: (1, 4, 5, 10, 20 Litres)

## **GENERAL DIRECTIONS**

MALATHION 85E will work more effectively if the temperature is 20° C or more or when temperatures will reach or exceed this minimum. Use the rate of MALATHION 85E in the full volume of water. Add the specified amount of MALATHION 85E to the water in the spray tank and agitate well for 3 to 5 minutes before spraying.

## **RESISTANCE MANAGEMENT RECOMMENDATIONS**

For resistance management, please note that MALATHION 85E Insecticide contains a Group 1B insecticide/acaricide. Any insect/mite population may contain individuals naturally resistant to MALATHION 85E 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 85E Insecticide or other Group 1B insecticides/acaricides with different groups that control the same pests.
- Avoid application of more than the indicated number of sprays of MALATHION 85E 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 Canada Inc., 1-800-265-4624 or at [www.uap.ca](http://www.uap.ca).

## **Product Specific Precautions**

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-800-265-4624 or obtain technical advice from the distributor or your provincial agricultural representative. Application of this specific product must meet and/or conform to the following:

## DIRECTIONS FOR USE

NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS:

The DIRECTIONS FOR USE for this product for the use described below were developed by persons other than United Agri Products Canada Inc. United Agri Products Canada Inc. itself makes no representation or warranty with respect to performance (efficacy) or crop tolerance (phytotoxicity) claims for this product when used on the crop listed below.

Accordingly, the Buyer and User assume all risks related to performance and crop tolerance arising, and agree to hold United Agri Products Canada Inc. harmless from any claims based on efficacy or phytotoxicity in connection with the use described below.

### DIRECTIONS FOR USE

#### STONE FRUITS

For foliar application only, using conventional ground application equipment. Ensure sufficient water volume is used to guarantee thorough coverage. Use a maximum of 1000 L of water per hectare. Timing of applications should be based on the presence of adult pests (flies) as determined by local monitoring. Consult extension specialists for timing. Treat when bees are absent from field.

Crop	Pest	Rate product per 1000 L of water	Maximum No. of Applications	Application Interval	Days Before Harvest	Restricted entry interval
Stone Fruits (apricot, sweet and sour cherry, nectarine, peach, plum, prune plums)	Spotted Wing Drosophila ( <i>Drosophila suzukii</i> )	610-855 mL	2	7-14 days	3	12 hours

## DIRECTIONS FOR USE

### BERRY CROPS

For foliar application only, using conventional ground application equipment. Ensure sufficient water volume is used to guarantee thorough coverage. Use a maximum of 500 L of water per hectare. Timing of applications should be based on the presence of adult pests (flies) as determined by local monitoring. Consult extension specialists for timing. Treat when bees are absent from field.

Pest	Crop	Rate product per 1000 L	No. of Applications	Application Interval	Days Before Harvest	Restricted entry interval
Spotted Wing Drosophila ( <i>Drosophila suzukii</i> )	Strawberry	1000 mL	2	7-14 days	3	12 hours
	Blueberry	1000 mL	3	7-14 days	2	12 hours
	Raspberry	1000 mL	2	7-14 days	1	12 hours
	Currant	1000 mL	2	7-14 days	3	12 hours
	Gooseberry	1000 mL	2	7-14 days	3	12 hours
	Blackberry	1000 mL	2	7-14 days	1	12 hours
	Grape	880 mL	1	7-14 days	3	Girdling and cane turning: 2days; Hand harvesting, training, tying, leaf pulling, hand pruning, thinning: 1day; All other activities: 12hours

## **PRECAUTIONS**

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

Harmful if swallowed. Avoid breathing spray mist. Avoid repeated or prolonged contact with skin, eyes and clothing. Wash thoroughly. Avoid contamination of feed and foods. Wear long pants, long sleeved shirts, and chemical-resistant gloves during mixing/loading, application, clean-up and repair. Chemical-resistant gloves are not required while operating groundboom sprayers. DO NOT use in buildings. Do not contaminate drinking troughs. Wash after handling or using. Avoid contamination of ponds, lakes, streams and other bodies of water which contain fish life or which may be used for irrigation or domestic purposes. Do not use in milk rooms. Remove lactating animals and calves under 1 month of age from buildings before treating. Do not apply oil based sprays to ornamentals as injury may occur. Use a respirator when spraying in closed areas. Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

This product contains a petroleum distillate which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning equipment.

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., visit CropLife Canada's website at [www.croplife.ca](http://www.croplife.ca).

### **FIRST AID**

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

**IF SWALLOWED:** Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth, if possible. Call a poison control centre or doctor for treatment advice.

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

## **TOXICOLOGICAL INFORMATION**

Malathion is an organophosphate that is a cholinesterase inhibitor. Typical symptoms or overexposure to cholinesterase inhibitors include headache, nausea, dizziness, sweating, salivation, runny nose and eyes. This may progress to muscle twitching, weakness, tremor, incoordination, vomiting, abdominal cramps and diarrhea in more serious poisonings. A life-threatening poisoning is signified by loss of consciousness, incontinence, convulsions, and respiratory depression with a secondary cardiovascular component. Treat symptomatically. If exposed, plasma and red blood cell cholinesterase tests may indicate degree of exposure (baseline data useful). Atropine, only by injection, is the preferable antidote. Oximes, such as pralidoxime chloride, may be therapeutic if used early; however, use only in conjunction with atropine. In cases of severe acute poisoning, use antidotes immediately after establishing an open airway and respiration. With oral exposure, the decision of whether to induce vomiting or not should be made by an attending physician. Contains petroleum distillate – vomiting may cause aspirational pneumonia.

## **DISPOSAL**

1. Triple-or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. 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 pest 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 this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.