

2007-4570

01-APR-2008

LABEL

WILSON
DIMETHOATE 480 EC
SYSTEMIC INSECTICIDE
Emulsifiable Concentrate • Contains Dimethoate

This product is not to be used around homes or other residential areas such parks, school grounds, playing fields. It is not for use by homeowners or other uncertified users.

COMMERCIAL

REGISTRATION NO. 12864 PEST CONTROL PRODUCTS ACT

GUARANTEE: Dimethoate 480 g/L

DANGER



POISON

READ THE LABEL AND ATTACHED PAMPHLET BEFORE USING

NET CONTENTS: 1 L

Agrium Advanced Technologies RP Inc.
10 Craig St.
Brantford, ON
Canada N3R 7J1
519-757-0077

READ ATTACHED PAMPHLET BEFORE USING.

DIMETHOATE 480 can be used to control various insects on outdoor flowering plants, ornamental shrubs and trees.

FOR RATES AND TIMES OF APPLICATION SEE THE ATTACHED PAMPHLET.

DIRECTIONS FOR USE:

HOUSEFLY CONTROL: DIMETHOATE 480 controls houseflies for up to 6 weeks. Use a spray solution containing 20 - 25 mL of **DIMETHOATE 480** per litre of water and use 5 - 10 L of mixture/100 m². Repeat applications should be made when necessary. Good sanitation is an essential part of any effective fly control program.

In dairy barns, hog pens, calf barns, poultry houses and other farm buildings : Apply a residual spray to the ceilings, walls, stanchions, etc. Thoroughly wet all fly resting areas to the point of runoff. 6 L of spray will cover 100 m² of surface. For localized fly control apply spot sprays with a knapsack or similar type sprayer to doorways, around windows, counters and other areas frequented by flies.

General outdoor use : To control houseflies around garbage cans, animal quarters, food processing plants, warehouses, loading docks and refuse areas, spray exposed surfaces such as walls, fences, refuse containers and garbage. Exposure of sprayed areas to weather, particularly sunshine reduces the duration of residual effects.

Note : Do not mix with whitewash or apply within two weeks of whitewashing. Do not use in homes.

SHIP AND STORE BETWEEN 4° C – 30° C.

PRECAUTIONS : KEEP OUT OF REACH OF CHILDREN. May be harmful or fatal if swallowed, inhaled or absorbed through the skin. Concentrated material may cause eye irritation. Avoid breathing vapour or spray mist. Use only with adequate ventilation. Avoid contact with skin and eyes. Wash thoroughly after handling and before eating and smoking. Avoid contamination of food or feed products. Keep away from heat, sparks and open flame. Do not expose to direct sunlight. Remove animals from treatment area during application. This product is toxic to birds and wildlife. To reduce injury to bees, restrict application to the period after dark when bees are inside the hives or in the early morning before the bees are foraging. 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.

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. **Product contains petroleum distillates.** **If swallowed,** call a poison control centre or doctor immediately for treatment advice. Do not

induce vomiting unless told to do so by a poison control centre or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person. Take container, label or product name and Pest Control Products Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION : Symptoms of poisoning include nausea, vomiting, pinpoint pupils, excessive salivation, muscle twitching, convulsions and coma. This product upon repeated or prolonged use, may cause cholinesterase inhibition. **Atropine is antidotal:** Give 2 to 4 mg of atropine sulphate intramuscularly or intravenously immediately and every hour as required until pupils dilate. Pralidoxime chloride (2-PAM: PROTOPAM chloride) may be effective as an adjunct to atropine. Use according to label directions.

DISPOSAL : Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. Follow provincial instruction for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. 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 pest control product is to be used only in accordance with the directions on the 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.

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PAMPHLET

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FLOWERING PLANTS, ORNAMENTAL SHRUBS AND TREES

GENERAL COMMENTS :

1. DIMETHOATE 480 is a true systemic insecticide. A systemic insecticide is absorbed into the system of the plant upon application and as with all systemic materials, may in specific plants cause reactions which are not predictable nor common to all members of the species.
2. FOR PROPER TIMING of treatments for the control of specific pests on ornamental plants, consult local agricultural authorities. In general, apply adequate spray for good coverage when pests appear or when damage is first observed, unless otherwise indicated. Do not overdose or over-spray.
3. EXPERIENCE has shown when dealing with species that may be injured by foliar applications, soil drenches are safer on those plants for which they are recommended. When using foliar sprays, do not apply during heat of the day or when temperatures are excessively high.
4. DO NOT USE on ornamental plants not listed. While DIMETHOATE 480 may not always cause injury to species not listed, injury may occur to individual plants or in local areas.
5. WHEN IN DOUBT about plant safety it is advisable to spray a single branch or dip several leaves in the spray solution. A waiting period of three or four days will usually indicate if plant damage will result.
6. DO NOT SPRAY the following species unless you have tested single branches or leaves to ascertain safety:

American Elm
Norway Maple
Sunburst Locust

Mop-head Elm
Mock Orange
Morraine Locust

or other ornamentals not listed in this pamphlet

7. There has been no report of damage by DIMETHOATE 480 to any of the common evergreen species grown in Canada provided recommended rates have been followed.
8. SPILLAGE - If accidental spillage of DIMETHOATE 480 should occur, scrub contaminated area immediately with a strong laundry soap solution or use household lye - detergents are not satisfactory for this purpose. Repeated scrubbing may be necessary on plain wood surfaces. Avoid spillage on all types of floor tile or linoleum.

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DIRECTIONS FOR USE:

The uses listed below are foliar sprays unless otherwise indicated. (Outdoor plants only)		RATE OF WILSON DIMETHOATE 480 EC SYSTEMIC INSECTICIDE	
FLOWERING PLANTS	INSECTS CONTROLLED	IN 10 L WATER	IN 1000 L WATER
Azaleas	Lace bugs, Leaf miners, Mites, White flies	10 mL	1 L
Camellias	Aphids, Mites, Camellia scale	10 mL	1 L Foliar spray: Apply 2 sprays 6 weeks apart the first year followed by annual applications soon after first growth begins in the spring. Soil drench: Apply WILSON DIMETHOATE 480 EC SYSTEMIC INSECTICIDE as a soil drench around the base of the plants in early spring at the rate of 60 mL/10 L of water per plant up to 2 m tall. Increase this rate proportionately for larger plants.
Carnations	Aphids, Mites, Thrips	10 mL	1 L Soil drench: Apply as a soil drench at the rate of 125 mL per 100 m ² of bed or bench (14 L/ha) in sufficient water for even distribution. Water in thoroughly after application.
Day Lilies	Aphids, Thrips	20 mL	2 L
Euonymus	Aphids, Scale	20 mL	2 L
Gardenias	White flies	10 mL	1 L
Gerberas	Thrips	10 mL	1 L
Gladiolus	Aphids, Thrips	10 mL	1 L
Iris	Aphids, Iris borer, Thrips	20 mL	2 L For borer control spray when new leaves are 12 - 15 cm tall.
Poinsettias (Outdoor Plants)	Aphids, White flies, Mealy bugs, Mites	10 mL	1 L
Roses	Aphids, Leafhoppers, Mites, Thrips	10 mL	1 L Apply thoroughly every 4 weeks during growing season.

(Outdoor plants only)		RATE OF WILSON DIMETHOATE 480 EC SYSTEMIC INSECTICIDE	
ORNAMENTAL SHRUBS&TREES	INSECTS CONTROLLED	IN 10 L WATER	IN 1000 L WATER
Arborvitae	Aphids, Bagworms, Mites	20 mL	2 L
Birch	Aphids, Leaf miners	5 mL	500 mL
		For leaf miners apply when leaves are expanded (about mid-May). Repeat the last week in June.	
Boxwood	Mites, Leaf miners, Mealy bugs	10 mL	1 L
		For leaf miners apply in spring when leaf miner flies first appear or in early summer for control of larvae in the infested leaves.	
Cedar	Mites, Leaf miners	20 mL	2 L
		For leaf miners apply in early May or late August	
Douglas Fir Seed Tree	Cone insects (cone or gall midge, cone moths, seed chalcid, scale midge)	1 L in 20 L water (apply with mist blower)	2.5 L in 100 L water (apply as a wetting spray)
		Application should be made when cones are at or near the pendant stage. Complete coverage of the cones and foliage in the cone- bearing area of the tree is important for satisfactory results.	
Holly (English and American)	Mites, Soft scale, Leaf miners	10 mL	1 L
		For leaf miners apply in spring when leaf miner flies first appear or in early summer for the control of larvae in the infested leaves.	
Hemlock	Mites, Scale, Spruce needle miner	10 mL	1 L
		Applications should be made as soon as the larvae hatch.	
Juniper	Aphids, Bagworms, Midges, Mites	20 mL	2 L
Lilac (<i>Syringa spp.</i>)	Leaf miners	12.5 mL	1.25 L
		Apply two sprays 6 weeks apart. Applications should be made as soon as any signs of the leaf miner appear or first application should be started in early June.	
Oak	Golden oak scale	20 mL	2 L
Pine (mugho, red, Scots)	Red and Black-headed pine sawfly larvae	10 mL	1 L
	Aphids, Bagworms, European pine shoot moth, Nantucket pine tip moth, Zimmerman pine moth	20 mL	2 L
		For pine shoot moths apply early in the spring and again in mid-June, thoroughly wetting branch tips.	

Sitka Spruce	Sitka-spruce weevil	2.5 L in 100 L water Thoroughly spray the terminal growth to the point of run-off at the time of egg laying (usually during the first half of May).
Taxus	Mites, Fletcher scale, Mealy bugs	20 mL 2 L For Fletcher scale spray at the end of June and again 10 days later when the crawlers are moving.

WILDLIFE STATEMENT AND STORAGE PRECAUTIONS:

Caution: Forest Pest Control: Birds and other wildlife in treated areas may be harmed. This product is toxic to bees. Restricted applications to the period after dark when bees are inside the hives or the early morning before the bees are foraging in the field. Do not use, pour, spill or store near heat or open flame. Keep out of direct sunlight. Ship and store between 4° C – 30° C.

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.