

02-OCT-2000

FRONT PANEL

GREEN CROSS(R)

BASUDIN(R) 500 EC

COMMERCIAL

INSECTICIDE

FORMULATION OF DIAZINON

Emulsifiable concentrate for: control of insect pests on fruit,  
shrubs,  
lawns and ornamentals

NET CONTENTS:

10 L, 15 L, 55 L, 80 L,  
110 L, 200 L, 500 L

GUARANTEE:

Diazinon.....500 g/L

DANGER

POISON

READ THE LABEL BEFORE USING

REGISTRATION NO.: 19,409

PEST CONTROL PRODUCTS ACT

Scotts Canada Ltd.  
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L5N 2R7

**DIRECTIONS FOR USE:**

**FRUIT INSECTS:**

For control of insects and mites on fruit, apply in accordance with the directions in the following tables.

Pest	Quantity of Basudin 500EC Per 1000 L of Spray	Time and Number of Applications
<b>APPLES - Do not apply within 14 days of harvest.</b>		
San Jose scale, eggs of apple aphids, eggs of European red mite and brown mite	500 mL + 20 L dormant emulsive oil	Dormant application with full coverage.
Fruit-tree Leafroller	1 L	Apply in full coverage in 3 - 8 cover sprays beginning in pink stage.
Green fruitworm	1 L	Apply at pink stage.

<b>APPLES AND PEARS - Do not apply within 14 days of harvest.</b>		
Pear psylla	1 L	Use in pre-pink, first second and third cover sprays.
Eye-spotted bud moth	1 L	Apply at pink stage, also a special spray at full hatch (late July, early August).
Tentiform leaf miner	1 L	Apply with full coverage in calyx and first cover spray. Include in later cover sprays if 2nd and 3rd generations develop.
Codling moth	1 L	Apply in all cover (summer) sprays and in special sprays against 2nd brood.
Apple maggot	1 L	Include at least 3 cover sprays 10 days apart when flies are active and laying eggs.
Aphids (rose-apple-woolly)	500 mL - 1 L	Apply in a thorough cover spray; repeat as necessary

Mites	1L; For heavy infestation, 1 L and repeat as necessary.	Apply when mites first appear; mites will be suppressed if Basudin 500EC is used in regular spray program.
Mealybugs, scales, (crawlers), stink bugs, pear leaf miner.	1 L	Time applications according to insect incidence.
Blister mites	1.5 L + 10 L light to medium horticultural oil.	Post-harvest treatment.

**NOTE:** Slight russeting may occur on some varieties of apples such as Golden Delicious.

<b>PEARS</b> - Do not apply within 14 days of harvest.		
San Jose scale	1 L + 20 L dormant emulsive oil	Apply as a dormant application with full coverage.

<b>CHERRIES</b> - Do not apply within 10 days of harvest.		
San Jose scale	1.25 L + 30 L dormant emulsive oil	Apply with thorough coverage as a dormant spray.
San Jose scale crawlers	1 L	Apply at pre-pink stage or when crawlers first appear.
Fruit-tree Leafroller Eye-spotted bud moth	1 L	Apply with full coverage beginning with petal fall.
Cherry fruit flies	1 L	Apply when flies begin to emerge; repeat 2 or 3 times at 10 day intervals.
Black cherry aphids, mites	1 L	Spray on first appearance; repeat after 10 days.
Rust mites	1 L	Spray thoroughly after harvest.

<b>PEACHES AND APRICOTS</b> - Do not apply to peaches within 20 days and to apricots within 10 days of harvest.		
Peach twig borer & San Jose scale	1 L + 20 L emulsive oil	Dormant spray with thorough coverage.
Peach twig borer	1 L + 10 L light to medium summer oil.	Apply at petal fall with thorough coverage.
	1 L	For control on peaches in May and June, apply as a full cover spray.
Aphids, clover & two-spotted mites, San Jose scale crawlers	1 L	Apply in a thorough cover spray when pests are first noted; repeat as necessary.

<b>PLUMS AND PRUNES</b> - Do not apply within 10 days of harvest.		
Peach twig borer, mealy plum aphid eggs, San Jose scale	1 L + 25 L dormant emulsive oil	Apply as a dormant spray.
	OR 1 L + 10 L light to medium flowable summer oil	Apply during late April or May.
Bud moth	1 L	Apply at pink stage.
Aphids (mealy plum, leaf curl plum, thistle)	1 L	Apply in a thorough cover spray; repeat as necessary.
Clover & European red mites	1 L	Apply when mites first appear; repeat as necessary.
Apple maggot	1 L	Where a problem on prunes, apply 2 or 3 sprays at 10 day intervals during July and early August.

<b>CRANBERRIES</b> - Do not apply within 7 days of harvest.		
Black-headed fireworm, Sparganothis sulfureana	4.5 L in 3200-3500 L water per hectare	Apply when insects first appear; repeat when necessary.
Cranberry fruitworm	7 L in 3200-3500 L water per hectare	Apply when insects appear; repeat as necessary.

<b>CURRENTS AND GOOSEBERRIES</b> - Do not apply after bloom.		
Aphids, Lecanium scale crawlers, sawfly	1 L	Apply immediately before first blooms open.

<b>GRAPES</b> - Do not apply within 16 days of harvest.		
Leafhoppers, grape berry moth, grape leaf folder, mealybugs	1 L (2.75-3.5 L /hectare)	When insects first appear; repeat when necessary.
Pacific mites	1.9-2.5 L	When mites first appear; repeat when necessary.

<b>LOGANBERRIES, RASPBERRIES AND BLACKBERRIES</b> - Do not apply to these fruits after bloom.		
Raspberry crown borer	1 L	Apply as a drench to the crown area using 600 mL of the mixture per plant (4000 L per hectare). Apply when new cane growth is about 10 cm above the ground.
Leafhoppers (including Macropsis), aphids, fruitworm, thrips and raspberry sawfly	1 L	Apply when blossom buds separate.

<b>STRAWBERRIES</b> - Do not apply within 5 days of harvest.		
Strawberry leafroller, spittlebugs	1 L	Apply when blossoms show colour. Use thorough coverage. Use at the rate of 2000 L per hectare.
Aphids & two-spotted mites	1-2 L	Apply as a thorough cover spray when pests first noted; repeat as necessary.
Cyclamen mites	2 L	Direct spray into the crowns of plants; agitate the plants to ensure thorough coverage. For supplemental treatment additional applications should be made after fruit harvest.

#### **INSECTS ON ORNAMENTALS**

Apply Basudin 500 EC thoroughly at rates given below when insects first appear. Repeat as necessary.

<b>Ornamental Plants</b>	<b>Pests</b>	<b>Quantity of Basudin 500 EC per 1000 L of spray</b>
Arbor vitae	Leaf miners	1 L
	Bagworms, scale insect crawlers	1.5 L
Aralia	Privet mites	1 L
Azalea	Privet mites, leaf miners	1 L
Birch	Leaf miners	1 L
Boxwood	Leaf miners	1 L
Carnations	Aphids, mites, thrips, caterpillars & leaf miners	1.5 L
Chrysanthemums	Aphids, mites, thrips, caterpillars & leaf miners	1 L
Holly	Leaf miners	1 L

	Pulvinaria & Coccus scales	3.75 L
	Aphids, bud moths - Note: apply when new growth is about 0.6 cm long and before blossoms open.	2 L
Ivy	Privet mites	1 L
Juniper	Bagworms, scale insects (crawlers), European pine shoot moth	1.5 L
Oak	Leaf miners	1 L
Pines	Scale insects (crawlers), European pine shoot moth	1.5 L
Taxus (Yew)	Scale insects (crawlers), European pine shoot moth	1.5 L

#### INSECT CONTROL ON LAWNS

For control of insect pests on lawns, around buildings and in other outdoor areas, follow the directions given in the table below. Applications to infested area should be thorough and should be repeated as necessary to maintain control.

<b>Pest</b>	<b>Concentration Basudin 500 EC to use:</b>	<b>Remarks</b>
Ants, sod webworms (lawn moths), sowbugs, pillbugs, collembola (Springtails)	15 mL per 10 L water	Apply 50 to 100 L/100 square meters.
Chinchbugs	7.5 to 15 mL/10 L	Thoroughly wet the lawn before treatment. Apply 120 L per 100 square meters.
Clover mites, leafhoppers, grasshoppers, crickets	12 mL in 10 L water	Thoroughly apply to areas around buildings. Repeat every 7 days or as needed for control.
Earwigs	110 mL per 10 L water	Apply only in areas of infestation.
Fleas, ticks, chiggers	110 mL per 10 L water	Apply 5 L per 100 square meters.
Millipedes	120 mL per 10 L water	Apply 15 to 20 L per 100 square meters.

Leather Jackets	7.5 mL per 10 L water	Apply 100L/100 square meters. Treat between early October and late May when soil is not frozen. Water lawn thoroughly.
White Grubs (such as European chafer and Japanese beetle larvae)	15 mL in 10 L of water	Apply 100L/100 square meters. Water grass thoroughly after application. For grub control any time between late July and early August.

**CLOVER MITES INFECTING LAWNS AND SHRUBBERY:** To control clover mites and prevent their migration to an adjoining dwelling, use 1 L of Basudin 500 EC per 1000 L of water and spray thoroughly the infected lawn and shrubbery within an area extending 3 m from the building when the mites first appear. Repeat as necessary. Spraying of the lower portion of the house walls and around window frames may be desirable if migration has taken place. Do not use inside dwellings.

**GENERAL PRECAUTIONS:**

KEEP OUT OF REACH OF CHILDREN AND DOMESTIC ANIMALS. Do not use on humans, pets, livestock. May be fatal if swallowed. Do not get into eyes. Avoid contact with skin and inhalation of spray mist. Wash thoroughly after handling. Avoid contamination of food, feed or food utensils. Do not allow others such as children and pets on treatment area during application or to re-enter treated areas until spray has dried. Use only as recommended on the label. Do not re-use container.

**Fish and Wildlife Caution:** This product is toxic to birds, fish and wildlife, including waterfowl. Do not contaminate domestic or irrigation water supplies, lakes, streams and ponds. Birds and waterfowl feeding or drinking on treated areas may be killed. Do not apply where waterfowl are expected to inhabit the area or where there are resident populations of waterfowl. Do not exceed maximum permitted label rates as rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of sprays. Irrigation (watering) is recommended, applying a minimum of 0.7 cm (0.25 inches) of water immediately after application to reduce the hazard to birds. Stop irrigation after puddling occurs.

**Toxic to Bees:**

Avoid spraying open flowers.



**FIRST AID:**

In case of poisoning, call a physician or Poison Control Centre immediately.

If swallowed, DO NOT induce vomiting as the product contains a petroleum distillate. Never give anything by mouth to an unconscious or convulsive person. Artificial respiration may be required. See a doctor immediately, taking the product label with you.

If inhaled, move to fresh air, change clothing. Wash thoroughly and see a doctor. Artificial respiration may be required.

If in eyes, immediately flush eye with large quantities of clean water. Hold eyelids apart to ensure thorough rinsing. See a doctor.

If on skin, remove contaminated clothing immediately. Wash skin thoroughly with soap and water.

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

**TOXICOLOGICAL INFORMATION:**

Diazinon is an organophosphorus insecticide and, as such, a cholinesterase inhibitor. If cholinergic symptoms occur, give atropine as an antidote followed by Pralidoxime (2-PAM) and supporting therapy.

**DECONTAMINATION AND DISPOSAL:**

Follow the following steps for disposable containers:

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 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.

Product Use Information: 1-800-668-5669

Web Site: [www.greencrosscanada.com](http://www.greencrosscanada.com)

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