

19-MAY-1998

(( LABEL ))

CLEAN CROP(R)

DIAZINON 500

COMMERCIAL

DANGER

POISON

READ THE LABEL AND BOOKLET BEFORE USING

REGISTRATION NO. 12461 PEST CONTROL PRODUCTS ACT

GUARANTEE: Diazinon ..... 50%

UNITED AGRI PRODUCTS

R.R. #2

Dorchester, Ontario

N0L 1G5

NET: 4 L

DETACH LABEL INSTRUCTIONS AT PERFORATION. THIS PORTION MUST REMAIN ATTACHED TO CONTAINER.

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. May be fatal if swallowed. Harmful if inhaled or absorbed through the skin. Wear an approved respirator when handling large amounts. Avoid contact with eyes, skin and clothing. Avoid breathing fog or spray mist. Wash thoroughly after handling and before eating, drinking or smoking. Do not spray animals or humans. Remove all animals, fish and birds before spraying; do not return them for at least 4 hours after treatment. Do not store near food or feed. Toxic to fish and wildlife. Highly toxic to bees exposed to direct treatment or to residues on crops. Birds feeding in treated areas may be killed. Do not contaminate any body of water.

SYMPTOMS OF POISONING: Headaches, giddiness, blurred vision, nervousness, weakness, nausea, cramps, diarrhea, discomfort in the chest, sweating, moisis, tearing, salivation and other excessive respiratory tract secretion, vomiting, cyanosis, papilledema, uncontrollable muscle twitches, convulsions, coma, loss of sphincter control and loss of reflexes.

FIRST AID: IF SWALLOWED, DO NOT induce vomiting. Immediately contact a physician or poison control centre. Contains a petroleum solvent.

IF INHALED: immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Obtain medical attention.

IF ON SKIN, wash thoroughly with soap and water.

IF IN EYES, flush with running water for 15 minutes, call a physician.

TOXICOLOGICAL INFORMATION: Diazinon is a cholinesterase inhibitor. Atropine is antidotal. Use 1 to 2 mg every 15 to 30 minutes if necessary.

DISPOSAL:

1. Rinse the emptied container thoroughly and 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 and the cleaning up of spills, contact the provincial regulatory agency or the manufacturer.

NOTICE TO USER: This control product is to be used only in accordance with the directions set out 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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DIRECTIONS FOR USE: Mix the amount shown below with 1000 L of water and apply to 1 ha of crop area or obtain thorough coverage. DIAZINON 500 is compatible with most fungicides or insecticides.

VEGETABLES: APPLY WHEN INSECTS FIRST APPEAR. REPEAT AS REQUIRED.

BEANS: (Lima): To control - Black bean aphids, Dipterous leaf miners, Leaf hoppers, Mexican bean beetles. Use 1.1 L.

BEANS: (Snap, Pole) To control - Aphids, Mexican bean beetles. Use 1.1 L.

BEETS: (Table), LETTUCE, SPINACH: To control - Aphids, Dipterous leaf miners. Use 1.1 L.

BROCCOLI, CABBAGE, CAULIFLOWER, KALE, KOHLRABI, PARSNIPS: To control - Aphids, Cabbage worms, Diamond back moths. Use 1.1 L.

CARROTS, PARSNIPS: To control - Aphids, Carrot rust flies (adults). Use 1.1 L (consult local Agricultural Authorities for timing of application.)

CUCUMBERS: To control-Aphids, Cucumber beetles, Thrips. Use 2.2 L.

GREEN ONIONS, ONIONS: To control - Onion thrips. Use 1.1 L. Onion maggot larvae. Use 2.2-4.4 L, apply in sufficient water to drench the seed furrow at planting or sowing time. This rate is based on a 40 cm row spacing; for other row spacing adjust on the basis of 70-100 mL per 500 m of row. Use the higher rate on organic soils, the lower rate on mineral soils. Onion maggot flies. Use 1.1 L.

MELONS, SQUASH: To control - Aphids, Cucumber beetles, Leaf hoppers, Thrips. Use 1-1.9 L.

PEPPERS: To control - Aphids. Use 0.55-1.1 L.

POTATOES: To control - Aphids, Colorado potato beetles, Dipterous leaf miners, Flea beetles, Leafhoppers. Use 1.1 L.

RADISH, TURNIPS: To control - Aphids, Dipterous leaf miners, Flea beetles. Use 1.1 L.

TURNIPS: To control - Root maggots. Use 2.2 L, apply as a drench in at least 1000 L of water per ha in a narrow band directly over the row as soon as the seedlings are up. Make a second application after thinning. Five or six weeks later, begin weekly applications using 1.1 L per ha.

TOMATOES: To control - Aphids, Dipterous leaf miners, Vinegar flies. Use 1.1-1.7 L per ha, apply in sufficient water to obtain thorough coverage when insects first appear. Weekly applications will generally be required for Leaf miners and Vinegar flies.

GREENHOUSE PEPPERS: To control - Aphids. Use conventional high volume power sprayers. Make applications monthly or when aphids reach treatment levels. Use .575 L per 625 L of water.

FRUIT:

APPLES: To control - Apple aphid eggs, Brown mite eggs, European red mites, San Jose scale. Use 0.55 L plus 20 L of Dormant Oil per 1000 L of water. Apply at dormant stage with full coverage. To control - Fruit tree leafrollers, use 1.1 L and apply 3-8 cover sprays, beginning in the pink stage. Russeting may occur on certain varieties of apples.

APPLES & PEARS: To control - Apple aphids. Use 0.55-1.1 L. To control - Apple maggots. Use 1.1 L and apply at least 3 cover sprays at 10 day intervals, when flies are active and laying eggs. To control - Codling moths. Use 1.1 L, apply in cover sprays as needed. Second brood may require additional treatment. To control - Eye-spotted bud moths. Use 1.1 L, apply in pink stage and at full hatch in late July or early August.

PEARS: To control - San Jose scale. Use 1.1 L plus 20 L of Dormant Oil per 1000 L of water. Apply as a dormant spray with full coverage.

CHERRIES: To control - Black cherry aphids. Use 1.1 L, apply at first appearance and repeat at 10 day intervals. To control - Cherry fruit flies. Use 1.1 L, apply when flies begin to emerge. Repeat 2-3 times at 10 day intervals. To control - Eye-spotted bud moths, Fruit tree leafrollers. Use 1.1 L, apply with full coverage beginning at petal fall. To control - San Jose scale crawlers. Use 1.1 L, apply at pink stage or when crawlers first appear. To control - San Jose scale. Use 1.5 L plus 20 L of Dormant Oil per 1000 L of water. Apply at dormant stage with full coverage.

PLUMS, PRUNES: To control - Apple maggots. Use 1.1 L per 1000 L of water. During heavy infestations, apply 2-3 sprays at 10 day intervals during July and August.

BERRIES:

BLACKBERRIES, LOGANBERRIES, RASPBERRIES: To control - Aphids, Fruitworms, Leaf hoppers, Raspberry sawflies, Thrips. Use 1.1 L per 1000 L of water. Apply when blossom buds separate. Do not apply after bloom. To control - Raspberry crown borers. Use 1 L per 1000 L of water; apply 4000 L of water per ha. Apply as a drench to crown area using 0.5 L of the mixture per plant when new cane growth is about 10 cm above the ground. Do not apply after bloom.

CRANBERRIES: To control - Black-headed fireworms. Use 4.4 L in 3200-3500 L of water per ha. Apply when insects first appear, repeat as necessary. To control - Cranberry fruitworms. Use 7 L in 3200-3500 L of water per ha. Apply when insects first appear, repeat as necessary.

STRAWBERRIES: To control - Aphids. Use 1.1-2.2 L per 1000 L of water. Apply thoroughly to the plants when pests first appear, repeat as necessary. To control - Spittle bugs, Strawberry leafrollers. Use 1.1 L per 2000 L of water per ha when blossoms show color.

HOPS: To control - Aphids, Mites. Use 2.2 L.

NOTE: Do not apply to FOOD CROPS within:

1 day - Tomatoes

3 days - Lima Beans

5 days - Broccoli, Cauliflower, Peppers, Strawberries, Greenhouse Peppers

7 days - Cabbage, Cranberries, Cucumbers, Kale, Kohlrabi, Pole beans, Snap beans

10 days - Apricots, Carrots, Cherries, Lettuce, Melons, Onions, Parsnips, Plums, Prunes, Radishes, Spinach

14 days - Apples, Beets, Hops, Parsley, Pears, Potatoes, Turnips

20 days - Peaches.

RANGE, PASTURE: To control - Grasshoppers. Use 1.1 L, apply when the insects first appear. Beef, dairy cattle and sheep may be grazed or fed green foliage immediately after application. Do not cut hay until 21 days after application if the hay is to be used for feed. Do not spray directly on livestock. Do not apply during bloom to avoid injuring pollinating insects. Do not re-treat for 30 days.

ORNAMENTALS: Mix the amount indicated below of DIAZINON 500 with 100 L of water and apply thoroughly as a foliar spray. Repeat as necessary. Apply when insects first appear. Do not spray when the temperature is above 25°C.

ARBORVITAE, BIRCH, HOLLY OAK: To control - Leaf miners. Use 100 mL.

ARBORVITAE: To control - Scale insect crawlers. Use 150 mL.

ARALIA: To control - Privet mites. Use 100 mL.

AZALEA: To control - Leaf miners, Privet mites. Use 100 mL.

CARNATIONS: To control - Aphids, Caterpillars, Leaf miners, Mites, Thrips. Use 150 mL.

CHRYSANTHEMUMS: To control - Aphids, Caterpillars, Leaf miners, Mites, Thrips. Use 100 mL.

HOLLY: To control - Aphids, Bud moths. Use 200 mL, apply when new growth is about 0.6 cm long and before blossoms open. To control - Coccus scales, Pulvinaria. Use 400 mL.

IVY: To control - Privet mites. Use 100 mL.

JUNIPERS, PINES, TAXUS: To control - European pine shoot moths, Scale insect crawlers. Use 150 mL.

LAWNS, SHRUBBERY: To control - Clover mites. Use 1 L per 1000 L of water. When mites first appear, spray infested lawn and shrubbery thoroughly within an area extending 3 m from the building. Do not use inside dwellings.

LAWNS: To control - Ants, Pill bugs, Sod webworms (Lawn moths). Mix 150 mL with 100 L of water and apply thoroughly to cover 100 m<sup>2</sup> of lawn. To control - Chinchbugs. Use 80-150 mL per 100 L of water. Wet the grass thoroughly before treatments. Apply at the rate of 250 L of mixture per 100 m<sup>2</sup>. Repeat in 7-10 days if necessary. To control - Clover mites, Crickets, Grasshoppers, Leafhoppers. Use 15 mL per 10 L of water, apply thoroughly to areas around buildings. Repeat if necessary. To control - Earwigs, Fleas, Ticks. Use 100 mL per 10 L of water. Apply 5 L of mixture per 100 m<sup>2</sup>. (For Earwigs, apply only in areas of infestation.) To control - Leatherjackets (B.C. only). Use 80 mL per 15-20 L of water to cover 100 m<sup>2</sup>. To control - Millipedes. Use 120 mL per 10 L of water. Apply 15-20 L of mixture per 100 m<sup>2</sup>.

#### GREENHOUSE ORNAMENTALS:

CARNATIONS, CHRYSANTHEMUMS, ROSES: To control - Aphids, Red spider mites, Thrips (exposed), White flies. Make a 10% oil solution by mixing 1 L of DIAZINON 500 with 4 L of fogging oil. Apply 30 mL per 100 m<sup>3</sup> of space. Direct the fog onto plants from a minimum distance of 120 cm. Expose for 1-1/2 hours, then ventilate for 1 hour before re-entry. Repeat as necessary.

Greenhouse Fogging: Close windows, doors and ventilators and lock or

barricade all entrances. Post warning signs. Turn off all misting systems and make certain that all blossoms and foliage are dry. Room temperature should be between 20' and 30'C. Apply when pests first appear. Fog over plants, according to equipment instructions, covering the entire area as evenly as possible. Expose overnight. Ventilate well for at least 1 hour before re-entering. Repeat as necessary.

\*Do not use for certain Ferns, Gardenia, Hibiscus, Pilea, Poinsettias, Orchids and Stephenotis.

MUSHROOM HOUSES: To control - Mushroom flies (Phorids, Sciarids). Make a 1-2% solution by mixing 200-400 mL with 10 L of water. Do not spray on compost in the beds or after spawning. Do not allow the solution to get onto the casing soil or the mushrooms.

SPRAY TREATMENT: Spray on the outside and inside walls and ventilators of mushroom houses after the compost in the beds has been pasteurized by heating.

BRUSH TREATMENT: Apply the solution with a brush to the wooden sides of the beds, posts, doors and door frames after pasteurizing. Repeat as required.

BUILDINGS: To control - Ants, Book lice, Brown dog ticks, Carpet beetles, Clover mites, Cockroaches, Crickets, Earwigs, Fleas, Millipedes, Silverfish, Springtails. Make a 1% solution by mixing 20 mL of DIAZINON 500 per 1 L of water and apply with a brush or as a coarse spray. Treat all cracks, crevices, baseboards and under cupboards, sinks, refrigerators, stoves, etc. Remove or cover all food and utensils before treatment. Do not use in cupboards where food is stored.

BALSAM FIR TREES IN CHRISTMAS TREE PLANTATIONS: Wear protective clothing such as gloves, head cover, coveralls and rubber boots. Ground Application: To control Balsam Gall Midge and Balsam Twig Aphid, mix 1.7 L of DIAZINON 500 in 50-100 L/ha of water and apply with mist blower to the trees. Before spraying, mark out a one-half hectare area and spray the trees in the area using water only to determine the coverage to be given each tree using 50 L of spray mixture in the one-half hectare area.

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