

2000/2001

Diazinon 50 WP

Wettable Powder Insecticide

AGRICULTURAL

2 Kg

For Control of Insects on Fruit,
Vegetables and Ornamentals and
For Seed Corn Maggot Control on Tobacco.

DANGER POISON

READ THE LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN

GUARANTEE: diazinon 50%

REGISTRATION NO. 11933
PEST CONTROL PRODUCTS ACT

ZENECA Agro,
a business of ZENECA Corp.
Stoney Creek, Ontario
L8G 3Z1

A93/A-1

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Harmful or fatal if swallowed. May irritate eyes and skin. Do not wear contact lenses when using chemicals. Do not smoke, eat, or drink when using this product. Wear chemical - resistant gloves, coveralls, boots, and goggles or face shield when mixing/loading or during cleanup, repairs, or adjustment of sprayer. Avoid inhalation of spray mist. Wash gloves with water before removing. Wash hands with soap and water after using this product and before eating, drinking, or smoking. Do not contaminate food, feed, or water supplies. Keep any unused product in resealed

original container away from reach of children and animals and away from food or feed.

FIRST AID

If swallowed, induce vomiting and call a doctor. If in eyes, wash with clean water and get medical attention. If on skin, wash with soap and water.

TOXICOLOGICAL INFORMATION

Stomach lavage. Diazinon is a cholinesterase inhibitor. Antidote - atropine sulphate at 1-2 milligrams every 15 minutes may be necessary.

EMERGENCY TELEPHONE NUMBER

All hours, 1-800-263-0984 **ONLY** for health and environmental information.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Do not contaminate water for consumption or irrigation. Do not use adjacent to streams, ponds or other bodies of water.

STORAGE

Flammable Mixture - Do not use or store near heat or open flame.

DISPOSAL

Rinse the empty container thoroughly and add the rinsings to the spray mixture in the tank. Follow provincial instructions for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of container in accordance with provincial requirements. For information on the disposal of unused, unwanted product and the cleanup of spills, contact the regional office of Conservation and Protection, Environment Canada.

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.

DIRECTIONS

IMPORTANT: Diazinon 50W is a wettable powder and requires agitation in the spray tank. Unless otherwise stated, use sufficient water for thorough coverage.

FRUIT INSECT PESTS

APPLES AND PEARS: Where not stated otherwise below, use standard dosage of 3.25 kg Diazinon 50W per hectare. **Codling Moth:** Apply in all "cover" (summer) sprays and in special spray against 2nd brood. **Apple Maggot:** Include in at least 3 cover sprays 10 days apart when flies are active and laying eggs. **Pear Psylla:** Use 3.25 kg/ha in pre-pink, first, second and third cover sprays. **Eye-Spotted Bud Moth:** Apply at pink stage, also a special spray at full hatch (late July, early August). **Mites:** Apply standard dosage when mites first appear; mites will be suppressed if Diazinon 50W is used in the regular spray program; if infestations are heavy, use only the first standard dosage (3.25 kg Diazinon 50W) and repeat as necessary. **Mealybugs, Scales (crawlers), Stink Bugs, Pear Leaf Miner:** Applications should be timed according to insect incidence. **Blister Mites:** For after harvest treatment, use 5 kg/ha and add 10 L of light to medium horticultural oil per 1000 L water. **Aphids (Rosy, Apple, and Woolly):** Use 1.7 to 3.25 kg/ha in a thorough cover spray; repeat as necessary. **Tentiform Leaf Miner:** Use 3.25 kg/ha with full coverage in calyx and first cover spray. Include in later cover sprays if second and third generations develop.

APPLES: San Jose Scale, Eggs of Apple Aphids, Eggs of European Red Mite and Brown Mite: use a dormant application of 1.7 kg/ha of Diazinon 50W and add 20 L of dormant oil per 1000 L of water with full coverage. Fruit Tree Leafroller: use 3.25 kg/ha with full coverage in 3 to 8 cover sprays beginning in the pink spray.

PEARS: San Jose Scale: use a dormant application of 3.25 kg/ha of Diazinon 50W and add 20 L dormant oil per 1000 L of water with full coverage. **NOTE:** Do not apply to apples and pears later than 14 days before harvest. Slight russetting may occur on some varieties of apples such as Golden Delicious.

CHERRIES: Use 3.25 kg/ha but do not apply later than 10 days

before harvest. **Cherry Fruit Flies:** Apply when flies begin to emerge, repeat 2 or 3 times at 10 day intervals. **Black Cherry Aphids, Mites:** spray on first appearance, repeat after 10 days. **San Jose Scale:** Use 4 kg/ha of Diazinon 50W and add 30 L of dormant oil emulsion per 1000 L of water with thorough coverage as a dormant spray or for **San Jose Scale Crawlers:** Apply at a standard rate at pre-pink stage or when crawlers first appear. **Rust Mites:** spray thoroughly after harvest. **Fruit Tree Leafroller, Eye-spotted Bud Moth:** apply with full coverage beginning with petal fall.

PEACHES AND APRICOTS: Peach Twig Borer, San Jose Scale: as a dormant spray, use 3.25 kg/ha Diazinon 50W and add 20 L of oil emulsion per 1000 L of water with thorough coverage. For application at petal fall apply 3.25 kg/ha of Diazinon 50W and add 10 L light medium summer oil per 1000 L with thorough coverage on peaches. This spray is effective for Peach Twig Borer on peaches. For control of Peach Twig Borer in May and June on peaches, use 3.25 kg/ha with full coverage. **Aphids, Clover and Two-Spotted Mites, San Jose Scale Crawlers:** apply 3.25 kg /ha in a thorough cover spray when pests are first noted; repeat as necessary.

NOTE: Do not apply to peaches within 20 days and to apricots within 10 days of harvest.

PLUMS: Peach Twig Borer, Mealy Plum Aphid Eggs, San Jose Scale: as a dormant spray use 3.25 kg/ha Diazinon 50W and add 25 L dormant emulsive oil per 1000 L of water. During late April or May use 3.25 kg/ha of Diazinon 50W and add 10 L of light medium flowable summer oil per 1000 L of water. **Aphids (Mealy Plum, Leaf Curl Plum, Thistle):** Use 3.25 kg/ha in a thorough cover spray and repeat as necessary. **Clover and European Red Mites:** use 3.25 kg/ha and apply when mites first appear, repeat as necessary. **Bud Moth:** apply at pink stage using 3.25 kg/ha of spray. **Apple Maggot:** where a problem on plums, apply 2 or 3 sprays of 3.25 kg/ha at 10 day intervals during July and early August.

NOTE: Do not apply to plums within 10 days of harvest.

CRANBERRIES: Black Headed Fireworm, *Sparganothis sulfureana*: Use 4.5 kg/ha in 3500 to 4000 L of water when insects first appear. Repeat applications when necessary. **Cranberry Fruitworm:** use 7.25 kg/ha in 3500 to 4000 L of water. Do not apply within 7 days before harvest.

CURRANTS AND GOOSEBERRIES: Aphids, Lecanium Scale Crawlers,

Sawfly: mix Diazinon 50W at 1 kg per 1000 L of water and apply immediately before the earliest blossoms open.

GRAPES: Leafhoppers, Grape Berry Moth, Grape Leaf Folder, Mealybugs: use 3.25 kg/ha when insects first appear and repeat as infestation warrants. Pacific Mites: use 6 to 6.75 kg/ha when mites first appear and repeat as necessary. Do not apply within 16 days of harvest.

LOGANBERRIES, RASPBERRIES AND BLACKBERRIES: Raspberry Crown Borer: mix 1 kg Diazinon 50W with 1000 L of water and apply as a drench to the crown area using 500 mL of the mixture per plant (about 4500 L per hectare.) Apply when new cane growth is about 10 cm above the ground. **Leafhoppers (including Macropsis), Aphids, Fruit Worm, Thrips and Raspberry Sawfly:** mix Diazinon 50W at 1 kg per 1000 L of water and apply when blossoms buds separate.

STRAWBERRIES: Aphids and Two-Spotted Mites: use 1-2 kg/ha in 1000 L as a thorough cover spray when pests are first noted; repeat as necessary. **Cyclamen Mites:** use 2.25 kg/ha in 1000 L of spray directed into the crowns of plants; agitate the plants to insure thorough coverage; for supplemental treatment additional applications should be made after fruit harvest. **Strawberry Leafroller, Spittlebugs:** use 1 kg/ha in 1000 L of water, 2250 L/ha when blossoms show colour. Use thorough coverage. Do not apply to strawberries in fruit later than within 5 days of harvest.

VEGETABLE INSECT PESTS

GENERAL DIRECTIONS: Unless otherwise stated below, use standard rate of 1 kg/ha of Diazinon 50W in sufficient water to achieve thorough coverage of the attacked crop and apply when insects first appear, repeating as infestations warrant.

BEANS: Aphids, Mexican Bean Beetles: do not apply later than 7 days before harvest.

BROCCOLI, CAULIFLOWER, CABBAGE AND KOHLRABI: Aphids, Diamondback Moths, Cabbageworms: applications at 7-10 day intervals will generally be required. Do not apply to broccoli or cauliflower within 5 days of harvest, and to cabbage or kohlrabi within 7 days.

CABBAGE, CAULIFLOWER, BROCCOLI AND BRUSSELS SPROUTS: Root Maggots - Planting Water Treatment: Use 550 g Diazinon 50W per 1000 L of planting water and apply 175 mL per plant, or use as

a drench within a week of planting applying 175 mL of the above mixture to the soil around the stem of each plant. An additional drench may be needed after one month. For higher rates of transplant water, use equivalent rates of Diazinon 50W. Stir plant water, use equivalent rates of Diazinon 50W. Stir occasionally to prevent excessive settling. Drain and flush the barrel or tank periodically to avoid a build up of concentration of Diazinon 50W.

Plant Treatment: Wet the stems and roots of the plants with water containing a sticker such as AGRAL® 90 (6 mL per 10 L of water). Dust the stem and roots of the plants thoroughly with a mixture of one part of Diazinon 50W and three parts powdered talc. Plant immediately.

CAUTION: Wear rubber gloves when handling plants treated with Diazinon 50W.

NOTE: This product will not be effective for controlling root maggots that have developed resistance to Diazinon.

CARROTS AND PARSNIPS: Aphids: do not apply to carrots within 10 days of harvest. **Carrot Rust Fly (adults):** apply when flies first appear and repeat at 7-10 day intervals as infestation warrants. Consult local agricultural authorities for correct timing of spray applications.

CUCUMBERS: **Cucumber Beetles, Aphids, Mites, Thrips:** use 2.25 kg/ha; do not apply within 7 days of harvest.

LIMA BEANS: **Black Bean Aphids, Mexican Bean Beetles, Dipterous Leaf Miners, Leafhoppers, Mites:** do not apply within 3 days of harvest.

MUSHROOMS: **Phorids and Sciarids:** add 10 to 20 kg of Diazinon 50W (0.5% and 1.0% actual) to 1000 L of water and spray on the outside and inside walls and ventilators of mushroom houses after the compost in the beds has been pasteurized by heating. Do not spray on the compost in the beds or after spawning. To treat the wooden sides of beds, posts, doors and door frames after pasteurizing, add 100 g Diazinon 50W to 10 L of water and apply with a brush. Repeat these applications when necessary. Do not allow the material to get onto casing soil or mushrooms.

ONIONS: **Onion Thrips:** Do not apply within 10 days of harvest. **Onion Maggot:** use 2.25 to 4.5 kg/ha (the higher rate on organic, the lower on mineral soils) in sufficient water to drench the furrow at planting or sowing time. Rates are appropriate for 38 cm spacing, for other spacings, adjust rate

on basis of 10 to 16 g per 100 m row length. **Onion Maggot Flies:** apply 1 kg/ha when flies become numerous and repeat at 7-10 day intervals as infestation warrants.

PEPPERS: Aphids: use 0.5 to 1 kg/ha in 1000 L of spray repeating as necessary. Do not apply within 5 days of harvest.

POTATOES: Aphids, Flea Beetles, Colorado Potato Beetles, Leafhoppers, Dipterous Leaf Miners: apply at the rate of 1 kg/ha in sufficient water to achieve thorough coverage. Repeat as infestations warrant. Do not apply within 14 days of harvest. **Root Maggots:** treat seed pieces by immersing in a dip containing 15 g Diazinon 50W per 10 L of water.

RADISHES: Root Maggot: seed treatment - wet the seed with a 2% solution of methyl cellulose (Methocel) and place in a container. Add 125 g of Diazinon 50W per 1 kg of seed and mix for several minutes, until seed is well coated. Dry the seed before sowing. Use with caution on sandy soils, as injury and reduced stand may result.

RADISHES, TURNIPS, SALSIFY: Aphids, Flea Beetles, Dipterous Leaf Miners: use 1 kg/ha. Do not apply to radishes and salsify within 10 days of harvest and to turnips within 14 days of harvest.

SPINACH AND BEETS: Aphids, Dipterous Leaf Miners: do not apply to spinach within 10 days, or to beets within 14 days of harvest.

TOMATOES: Aphids, Dipterous Leaf Miners, Vinegar Flies (Drosophila spp): use 1 to 1.75 kg/ha as necessary. For leaf miners and vinegar flies, applications at weekly intervals will generally be required. Do not apply to tomatoes within 1 day of harvest. **FOR USE ON TOBACCO AND HOPS TOBACCO: Seed Corn Maggot:**

use 550 to 850 g/ha (275 g/1000 L of planting water applied at the rate of 2000 L per hectare).

CAUTION: Do not use starter-fertilizers in conjunction with Diazinon 50W.

HOPS: Aphids, Mites: Apply 2.25 kg/ha in sufficient water to achieve thorough coverage when insects first appear, repeating as necessary. Do not apply within 14 days of harvest.

ORNAMENTALS

CHRYSANTHEMUMS: Leafminers: Apply 500 g Diazinon 50W per 1,000 L water weekly as needed when pests appear.

NOTICE TO BUYER

Sellers 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.

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