

85.12.31

PRODUCT CODE 79260

Pfizer

DIAZINON

50W

Insecticide

Wettable Powder

AGRICULTURAL

DANGER POISON

GUARANTEE:

Diazinon.....50%

REGISTRATION NO.: 11890  
PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

NET 2 kg

PFIZER C. & G. INC.  
1 Wilton Grove Road,  
London, Ontario  
N6A 4C6

Sales Offices In: MONTREAL - LONDON - WINNIPEG

DIAZINON 50W

DIRECTIONS FOR USE

TOBACCO

Seed Corn Maggot - Use 550 to 850 grams/ha (210 grams to 275 grams per 1000 litre barrel of planting water). Apply at the rate of 4 or more barrels per hectare. NOTE: Stir mixture frequently to reduce settling and drain barrel occasionally to prevent over concentration of insecticide.

WARNING

Do not use in conjunction with starter fertilizers as injury to tobacco plants may occur.

## VEGETABLES

GENERAL DIRECTIONS: Unless otherwise stated below, use standard rate of 1.10 kg of Pfizer Diazinon 50W per hectare in sufficient water to achieve thorough coverage of the attacked crop, and apply when insects first appear, repeating as infestations warrant.

BEANS (FIELD AND SNAP): Aphids, Mexican Bean Beetles, Dipterous Leaf Miners, Leafhoppers: Do not apply later than 7 days before harvest on Snap Beans and 14 days on Pole Beans.

BROCCOLI, BRUSSELS SPROUTS, CAULIFLOWER and CABBAGE: Aphids, Diamondback Moths, Cabbageworms: Applications at 7 day to 10 day intervals will generally be required. Do not apply to broccoli or cauliflower within 5 days of harvest, and to cabbage within 7 days and Brussels Sprouts within 14 days of harvest.

ROOT MAGGOTS: Seed bed Treatment: Apply 625 grams of Pfizer Diazinon 50W per 1000 litres planting water and apply 170 mL per plant, or use as a drench within a week of planting applying 170 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 Pfizer 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.

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

CANTALOUPE, MUSKMELON, WATERMELONS, SQUASH: Aphids, Cucumber Beetles, Thrips, Leafhopper: Use 1.10 to 2.00 kg/ha. Do not apply to Squash within 3 days of harvest or to Cantaloupes, Muskmelons and Watermelons within 10 days of harvest.

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

NOTE: Do not use Pfizer Diazinon 50W when Captan seed treatment has been used.

CORN and BEANS (All types including Lima, Snap and Field): Root (seed) Maggots: Treat seed within 3 months of planting and corn seed within 3 weeks of planting with Pfizer Diazinon 50W at 15 grams per 25 kg seed. Add the correct amount of Pfizer Diazinon 50W to 300 mL of water and thoroughly wet seed with the mixture. Commercial seed treating equipment, a cement mixer or hand shovelling are all suitable treating methods. Dry seed before bagging or planting. Do not use more than the recommended rate of Pfizer Diazinon 50W or injury and reduced stand may result.

NOTE: If seed has not been treated with a fungicide, use 75% Captan or 75% Thiram in combination with Pfizer Diazinon 50W at the rate given on the fungicide package. Failure to use a fungicide may result in injury to the

seed.

CAUTION: Wear rubber gloves when handling seed treated with Pfizer Diazinon 50W. Treated seed should be labelled "POISONOUS TO MAN AND ANIMALS. This seed has been treated with Diazinon. Do not use for feed or food purposes."

LETTUCE: Aphids: Do not apply to lettuce within 10 days of harvest.

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

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

MUSHROOM HOUSES: Phorids and Sciarids: Add 10 kg to 20 kg of Pfizer Diazinon 50W (0.5% to 1.0% actual) to 1000 litres 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. Do not let the spray mist contact mushrooms. To treat the wooden sides of beds, posts, doors and door frames after pasteurizing, add 1 kg of Pfizer Diazinon 50W to 100 litres of water and apply with a brush. Repeat these applications when necessary. Do not allow the material to get onto casing soil or contact mushrooms.

ONIONS: Onion Thrips: Do not apply within 10 days of harvest. Onion Maggots: Use 125 grams per 1 kg of seed. Wet seed with water containing 2% methyl cellulose and mix until seed is well coated with powder. Allow seed to dry before bagging or planting. Do not store treated seed more than 3 weeks before planting. Use 2.25 to 4.50 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 appropriate for 40 cm spacing; for other spacings adjust rate on basis of 30 to 55 grams per 300 metres of row length. Onion Maggot Flies: Apply 1.10 kg/ha when flies become numerous and repeat at 7 to 10 day intervals as infestation warrants. Do not apply to onions within 10 days of harvest.

PEPPERS: Aphids: Use 550 grams to 1.1 kg per hectare in 1000 litres of spray, repeat 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 1.10 kg/ha in sufficient water to achieve thorough coverage. Repeat as infestations warrant. Do not apply within 14 days of harvest.

Root Maggots, Seed Maggots: Treat seed pieces by immersing in a dip containing 150 grams Pfizer Diazinon 50W per 1000 litres of water. Treat the seed within 6 hours after cutting, if planting is delayed beyond 2 days after treating, treated seed should be stored in open crates to allow air drying before bagging or piling.

RADISHES, TURNIPS, SALSIFY: Aphids, Flea Beetles, Dipterous Leaf Miners: Use 1.10 kg/ha. Do not apply to radishes and salsify within 10 days of harvest and to turnips within 14 days of harvest.

Seed treatment (Radish): Root Maggots: 125 grams per 1 kg of seed - wet seed with 2% solution of methyl cellulose. Mix with insecticide until seed is well coated. Some delay in seedling emergence and some reduction in stand may occur. Allow seed to dry before bagging or planting.

SPINACH and BEET: 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 1.10 kg to 2.00 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.

#### FRUIT CROPS

APPLES and PEARS: Where not stated otherwise below, use standard dosage of 1.0 kg of Pfizer Diazinon 50W per 1000 litres water.

Codling Moth: Apply in all "cover" (summer) sprays and in special spray against second brood.

Apple Maggot: Include in at least 3 cover sprays 10 days apart when flies are active and laying eggs.

Pear Psylla: Apply at 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).

Mealy Bugs, Scale (crawlers), Stink Bugs: Applications should be timed according to insect incidence.

Aphids: (Rosy-, Apple-, Woolly-) Use 500 grams to 1.0 kg per 1000 litres in a thorough cover spray; repeat as necessary.

Tentiform Leaf Miner: Use 1.0 kg per 1000 litres of water 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 500 grams of Pfizer Diazinon 50W plus 20 litres of dormant emulsive oil in 1000 litres of water with full coverage. Fruit Tree Leaf Roller, Green Fruit Worm: Use 1.0 kg in 1000 litres of water with full coverage in 3 to 8 cover sprays beginning in the pink stage.

Campyloomma: Use 2.25 to 3.25 kg/ha at calyx or petal fall. Lower rate is recommended for use in British Columbia.

PEARS: San Jose Scale: Use a dormant application of 1.0 kg of Pfizer Diazinon 50W in 20 litres of dormant emulsive oil in 1000 litres of water with full coverage. Fruit Tree Leafroller: Apply at pink stage.

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 1.0 kg per 1000 litres water, 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: Spray on first appearance, repeat after 10 days. San Jose Scale: Use 1.25 kg of Pfizer Diazinon 50W plus 30 litres of dormant oil emulsion per 1000 litres of water with thorough coverage as a dormant spray or for San Jose Scale Crawlers: Apply at standard rate when crawlers first appear. Fruit Tree Leaf Roller: Apply with full coverage beginning with petal fall. Eye-spotted Bud Moth: Apply in full coverage beginning at green tip.

PEACHES and APRICOTS: Peach Twig Borer, San Jose Scale: As a dormant spray, use 1.0 kg of Pfizer Diazinon 50W plus 20 litres of oil emulsion per 1000 litres of water with thorough coverage. For application at petal fall apply 1.0 kg of Pfizer Diazinon 50W plus 10 litres light medium summer oil per 1000 litres 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 1.0 kg in 1000 litres of water with full coverage. Aphids, San Jose Scale Crawlers: Apply 1.0 kg per 1000 litres 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 1.0 kg Pfizer Diazinon 50W and 25 litres dormant emulsive oil per 1000 litres of water. During late April or early May use 1.0 kg of Pfizer Diazinon 50W and 10 litres of light medium flowable summer oil per 1000 litres of water. Aphids (Mealy Plum-, Rusty Plum-, Thistle-). Use 1.0 kg per 1000 litres in a thorough cover spray and repeat as necessary. Eye-spotted Bud Moth: Apply at pink stage using 1.0 kg per 1000 litres of spray. Apple Maggot: Apply 2 to 3 sprays at 10 day intervals during late July and early August.

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

CURRANTS and GOOSEBERRIES: Aphids, Lecanium Scale Crawlers, Sawfly: Apply Pfizer Diazinon 50W at 1.0 kg per 1000 litres of water immediately before the earliest blossoms open. Do not apply during bloom to avoid injury to pollinating insects. Do not apply after bloom.

GRAPES: Leafhoppers, Grape Berry Moth, Grape Leaf Folder, Mealy Bugs: Use 1.0 kg per 1000 litres of water or 3.0 to 3.75 kg/ha when insects first appear and repeat as infestation warrants. Do not apply within 16 days of harvest.

LOGANBERRIES, RASPBERRIES, BLACKBERRIES: Raspberry Crown Bore: Mix 1.0 kg Pfizer Diazinon 50W with 1000 litres of water and apply as a drench to the crown area using 1/2 litre of the mixture per plant (about 4000 litres per hectare). Apply when new cane growth is about 10 cm above the ground. Leafhoppers (including Macropsis), Aphids, Fruit Worm, Thrips and Raspberry Sawfly: Apply Pfizer Diazinon 50W at 1.0 kg per 1000 litres of water when blossom buds separate. NOTE: Do not apply during bloom to avoid injury to

pollinating insects. Do not apply after bloom.

STRAWBERRIES: Aphids: Use 1.0 to 2.0 kg in 1000 litres as a thorough cover spray, when pests are first noted; repeat as necessary. Strawberry Leafroller, Meadow Spittlebugs: Use 1.0 kg in 1000 litres of water, 2000 litres per hectare, when blossoms show colour. Use thorough coverage. Omnivorous Leaf-tier: Use 2.25 kg of Pfizer Diazinon 50W in 1000 litres water and apply direct spray to plant crown. Agitate plant to ensure coverage. Apply again after harvest if necessary. Do not apply within 5 days of harvest.

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

NOTE: Pfizer Diazinon 50W is a wettable powder formulation and requires adequate agitation in the sprayer tank to keep the product in suspension.

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. May be fatal if swallowed. May be absorbed through the skin. Avoid contact with skin, clothing and eyes, inhalation of vapours or spray mist. Wash thoroughly after use and avoid contamination of food or feed. Do not smoke, eat or drink while using this product. Wear protective clothing, natural rubber gloves and goggles when handling and wash all contaminated clothing with soap and hot water before re-using.

Do not re-use container. Crush and bury empty containers and any unused chemical at least 50 cm deep in an isolated area away from water supplies. For spills on floors, surround and cover the spill with granular carrier to absorb the liquid, then shovel into a container for disposal by burying. Wash the floor with a weak solution of lye to remove any trace of pesticide.

NOTE: Pfizer Diazinon 50W is toxic to fish and wildlife. Highly toxic to bees exposed to direct treatment or to residues on crops. Do not allow to contaminate irrigation or domestic water supplies, lakes, rivers, ponds or streams.

FIRST AID: In case of poisoning call a physician immediately. Have patient lie down and keep quiet. If swallowed induce vomiting by giving 15 mL of salt in a glass of warm water. Administer milk or water freely and again induce vomiting until vomit fluid is clear. If on skin, remove contaminated clothing and wash immediately with soap and warm water. If eyes are contaminated, flush with flowing water for at least 15 minutes. Get medical attention.

#### TOXICOLOGICAL INFORMATION

Symptoms of Poisoning: A sense of "tightness" in the chest. Contracted pupils. Sweating, headaches, giddiness, nervousness, weakness, cramps, stomach pains. Vomiting and diarrhea.

TREATMENT: Stomach lavage. Diazinon is a cholinesterase inhibitor. Atropine sulphate is antidotal. Administration of atropine sulphate at 1 to 2

milligrams every 15 to 30 minutes may be necessary.

NOTICE TO USER: This 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 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.