

87.02.03

DIAZOL 50W (Diazinon)

WETTABLE POWDER INSECTICIDE

Contains diazinon for insect control on
certain vegetables, fruits, nuts, field crops
and ornamentals.

COMMERCIAL

GUARANTEE: Diazinon 50%

REGISTRATION NO: 16885 PEST CONTROL PRODUCTS ACT

DANGER

POISON

KEEP OUT OF THE REACH OF CHILDREN

READ LABEL BEFORE USING

Uniroyal Chemical Ltd.
Elmira, Ontario
N3B 3A3

Calgary, Alberta
T2E 7A7

24 Hour Emergency Phone: (519)744-3060

DIRECTIONS FOR USE:

If not indicated in recommendations below, Diazol 50W should be mixed with sufficient water to assure thorough coverage. Best control is obtained when application is made at the first sign of insects. Repeat application as necessary to maintain control unless otherwise stated. Diazol 50W is a wettable powder which requires constant agitation during application.

FRUIT

APPLES - APPLE APHID (EGGS), BROWN MITE (EGGS), EUROPEAN RED MITE (EGGS). SAN JOSE SCALE: Use 500g with 20L dormant emulsive

oil/1000L. Apply for full coverage as a dormant spray. FRUITTREE LEAFROLLER, GREEN FRUITWORM: Use 1kg/1000L water. Apply at pink stage. Do not apply within 14 days of harvest. Russetting of certain varieties of apples may occur. CAMPYLOMMA: Use 2.25-3.25 KG/ha. Apply at calyx or petal fall. The lower rate is recommended for use in British Columbia. PALE APPLE LEAFROLLER: Use 2kg/1000L. QUEBEC: Apply once at the pink stage.

PEARS - SAN JOSE SCALE: Use 1kg with 20L dormant emulsive oil/1000L water. Apply as a dormant spray for full coverage. FRUITTREE LEAFROLLER: Use 1kg/1000L. Apply at the pink stage.

APPLES, PEARS - CODLING MOTH: Use 1kg/1000L water. Apply in cover sprays as needed. Second brood may require additional treatment. Do not apply within 14 days of harvest. Russetting of certain varieties of apples may occur. APPLE MAGGOT: Use 1kg/1000L. Use at least 3 cover sprays, 10 days apart, when flies are active and laying. Do not apply within 14 days of harvest. Russetting of certain varieties of apples may occur. PEAR PSYLLA: Use 1kg/1000L. Apply in pre-pink, first, second and third cover sprays. Do not apply within 14 days of harvest. Russetting of certain varieties of apples and pears may occur. EYE-SPOTTED BUD MOTH: Use 1kg/1000L. Apply at pink stage and at full hatch in late July or early August. Do not apply within 14 days of harvest. Russetting of certain varieties of apples may occur. APPLE, ROSY APPLE AND WOOLLY APPLE APHIDS: Use 500g-1kg/1000L. Apply as thorough cover spray. Repeat as necessary. Do not apply within 14 days of harvest. Russetting of certain varieties of apples may occur. MEALYBUGS, SCALE INSECTS (CRAWLERS), STINKBUGS: Use 1kg/1000L. Apply as infestation occurs. Repeat as necessary. Do not apply within 14 days of harvest. Russetting of certain varieties of apples and pears may occur. TENTIFORM LEAFMINERS: Use 1kg/1000L. Apply for full coverage in calyx and first cover spray. Include in later cover sprays if second and third generations develop. Do not apply within 14 days of harvest. Russetting of certain varieties of apples may occur.

APRICOTS, PEACHES - APHIDS, SAN JOSE SCALE (CRAWLERS): Use 1kg/1000L. Spray when insects first appear. Repeat as necessary. Do not apply within 10 days of harvest for apricots or within 20 days for peaches. PEACH TWIG BORER, SAN JOSE SCALE: Use 1kg with 20L dormant emulsive oil/1000L water. Apply for full coverage as a dormant spray. PEACH TWIG BORER: Use 1kg with 10L light to medium summer oil/1000L. Spray thoroughly at petal fall. Do not apply within 10 days of harvest. Use 1kg/1000L. Apply as full cover spray in May and June. Do not apply within 10 days of

harvest.

PLUMS - MEALY PLUM, RUSTY PLUM AND THISTLE APHIDS: Use 1kg/1000L water. Apply as full cover spray. Repeat as necessary. Do not apply within 10 days of harvest. EYE-SPOTTED BUD MOTH: Use 1kg/1000L. Apply at pink stage. Do not apply within 10 days of harvest. APPLE MAGGOT: Use 1kg/1000L. Apply 2-3 sprays at 10 day intervals during late July and early August. Do not apply within 10 days of harvest. MEALY PLUM APHID (EGGS), PEACH TWIG BORER, SAN JOSE SCALE: Use 1kg with 25L dormant emulsive oil/1000L. Apply for full coverage as a dormant spray. Use 1kg with 10L light to medium summer oil/1000L. Apply in late April or early May. Do not apply within 10 days of harvest.

CHERRIES - CHERRY FRUIT FLY: Use 1kg/1000L water. Apply when flies emerge. Repeat 2-3 times at 10-day intervals. Do not apply within 10 days of harvest. BLACK CHERRY APHID: Use 1kg/1000L. Apply when insects first appear. Repeat after 10 days. Do not apply within 10 days of harvest. SAN JOSE SCALE (CRAWLERS): Use 1kg/1000L. Apply when crawlers first appear. Do not apply within 10 days of harvest. SAN JOSE SCALE: Use 1.25kg with 30L dormant emulsive oil/1000L. Apply for full coverage as a dormant spray. FRUIT TREE LEAFROLLER: Use 1kg/1000L. Apply for full coverage at petal fall. Do not apply within 10 days of harvest. EYESPOTTED BUD MOTH: Use 1kg/1000L. Apply for full coverage at green tip. Do not apply within 10 days of harvest.

GRAPES - GRAPE BERRY MOTH, GRAPE LEAFFOLDER, LEAFHOPPERS, MEALYBUGS: Use 1kg/1000L or 1.5-2.25kg/HA. Apply when infestation occurs. Repeat as necessary. Do not apply within 16 days of harvest.

STRAWBERRIES - APHIDS: Use 1-2kg/1000L water. Apply when pests first appear. Repeat as necessary. Do not apply within 5 days of harvest. OMNIVOROUS LEAFTIER: Use 1.25kg/1000L. Direct spray to plant crown; agitate plant to ensure coverage. Apply again after harvest if necessary. Do not apply within 5 days of harvest. STRAWBERRY LEAFROLLER, MEADOW SPITTLEBUG: Use 2.25kg/2000L/HA. Apply when blossoms show color. Do not apply within 5 days of harvest.

CRANBERRIES - BLACKHEADED FIREWORMS: Use 4.5 kg/3200-3500 L/HA. Apply when insects first appear. Repeat as necessary. Do not apply within 7 days of harvest. CRANBERRY FRUITWORM: Use 7kg/3200-3500L/HA. Apply when insects first appear. Repeat as necessary. Do not apply within 7 days of harvest.

BLACKBERRIES, LOGANBERRIES, RASPBERRIES - RASPBERRY CROWN BORER: Use 4.5kg/4000L/HA. Drench crown area using 0.5L of mix per plant as new canes reach 10cm height. Do not apply after bloom. Do not spray during bloom to avoid injury to pollinating insects. APHIDS, FRUITWORMS, LEAFHOPPERS, RASPBERRY SAWFLY, THRIPS: Use 1kg/1000L. Apply when blossom bud separates. Do not apply after bloom. Do not spray during bloom to avoid injury to pollinating insects.

CURRANTS, GOOSEBERRIES - APHIDS, EUROPEAN FRUIT LECANIUM SCALE (CRAWLERS), SAWFLIES: Use 1kg/1000L. Apply immediately before the first blooms open. Do not apply after bloom. Do not spray during bloom to avoid injury to pollinating insects.

VEGETABLES

CUCUMBERS - APHIDS, CUCUMBER BEETLES, THRIPS: Use 2.25kg/HA. Apply in sufficient water to ensure coverage. Repeat as necessary. Do not apply within 7 days of harvest.

MELONS, SQUASHES - APHIDS, CUCUMBER BEETLES, LEAFHOPPERS, THRIPS: Use 1.1-2kg/HA. Apply in sufficient water to ensure coverage. Repeat as necessary. Do not apply within 10 days of harvest.

BEETS, SPINACH - APHIDS, DIPTEROUS LEAFMINERS: Use 1.1kg/HA. Apply in sufficient water to ensure coverage. Repeat as necessary. Do not apply within 14 days of harvest.

ONIONS - ONION MAGGOT: Use 125g/kg seed. Wet seed with water containing 2% methyl cellulose and mix until seed is well coated with powder. Do not store treated seed more than 3 weeks before planting. Allow seed to dry before bagging or seeding. Use 95-175 g/100 meter row. Apply to the seed furrow at planting or sowing time. For liquid formulations, use sufficient water to drench the furrow. Use lower rate on poor soils, higher on organic soils. ONION MAGGOT (ADULTS): Use 1.1kg/HA. Apply when flies become numerous. Use sufficient water to ensure coverage. Repeat at intervals of 7-10 days as infestation warrants. Do not apply within 10 days of harvest. ONION THRIPS: Use 1.1kg/HA. Apply in sufficient water to ensure coverage. Repeat as necessary. Do not apply within 10 days of harvest.

PARSNIPS: - DIPTEROUS LEAFMINERS, FLEA BEETLES: Use 1.1kg/HA. Apply in sufficient water to ensure coverage. Repeat as necessary. Do not apply within 14 days of harvest.

CARROTS, PARSNIPS - APHIDS: Use 1.1kg/HA. Apply in sufficient water to ensure coverage. Repeat as necessary. Do not apply within 10 days of harvest. CARROT RUST FLY: Use 1.1kg/HA. Apply in sufficient water to ensure coverage. Repeat at intervals of 7-10 days as infestation warrants. Do not apply within 10 days of harvest.

BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER - ROOT MAGGOTS: SEED BED TREATMENT: Use 625g/1000L. Drench-spray each plant and the surrounding soil when the plants emerge. Repeat after 3 weeks. PLANTING WATER TREATMENT: Use 550g/1000L. Apply 170mL to the plant or apply as a drench to soil around stem within a week of planting. An additional drench may be required after 1 month. PLANT TREATMENT: Wet stems and roots of plants with water containing a sticker such as Triton B-1956 (62.5g/100L). Dust stems and root thoroughly with a mixture of 1 part Diazol 50W and 3 parts powdered talc (12.5% dust). Plant immediately.

RADISHES - ROOT MAGGOTS: Use 125g/kg seed. Wet seed with a 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 to dry before bagging or seeding. APHIDS, DIPTEROUS LEAFMINERS, FLEA BEETLES: Use 1.1kg/HA. Apply in sufficient water to ensure coverage. Repeat as necessary. Do not apply within 10 days of harvest.

RUTABAGA, TURNIPS - ROOT MAGGOTS: SEEDLING TREATMENT: Use 2.25kg/1000L/HA. Apply as a drench in a narrow band directly over row when seedlings are up. Make a second application as a drench after thinning or make weekly applications as a drench 5-6 weeks later using 1.1kg/HA to kill adult flies. Drench thoroughly plant and surrounding soil. Direct spray to base of plant. Consult local agricultural authorities concerning the need for and timing of additional application. Do not apply within 14 days of harvest. APHIDS, DIPTEROUS LEAFMINERS, FLEA BEETLES: Use 1.1kg/HA. Apply in sufficient water to ensure thorough coverage. Repeat as necessary. Do not apply within 14 days of harvest.

SALSIFY - APHIDS, DIPTEROUS LEAFMINERS, FLEA BEETLES: Use 1.1kg/HA. Apply in sufficient water to ensure coverage. Repeat as necessary. Do not apply within 10 days of harvest.

POTATOES - APHIDS, COLORADO POTATO BEETLES, DIPTEROUS LEAFMINERS, FLEA BEETLES, LEAFHOPPERS: Use 1.1kg/HA. Apply in sufficient water to ensure coverage. Repeat as necessary. Do not apply within 14 days of harvest. ROOT MAGGOTS, SEED MAGGOTS: Use

150g/100L. Soak in Diazol solution or coat each seed piece evenly with a light film or dust. Treat the seed pieces within 6 hours after cutting. If planting is delayed beyond 2 days after treatment, treated seed should be stored in open crates to allow air drying before bagging or piling.

TOMATOES - APHIDS, DIPTEROUS LEAFMINERS, DROSOPHILA: Use 1.1-2 kg/HA. Apply in sufficient water to ensure thorough coverage. Leafminers and drosophila flies require weekly treatments. Do not apply within 8 days of harvest for greenhouse tomatoes.

PEPPERS - APHIDS: Use 550g-1.1kg/HA. Apply in sufficient water to ensure coverage. Repeat as necessary. Do not apply within 5 days of harvest.

BEANS (FIELD, LIMA, SNAP) - APHIDS, BEAN APHID, DIPTEROUS LEAFMINERS, LEAFHOPPERS, MEXICAN BEAN BEETLE: Use 1.1kg/HA. Apply in sufficient water to ensure coverage. Repeat as necessary. Do not apply within 7 days of harvest. ROOT MAGGOTS: Use 50g per 100 kg seed. Apply dry or as a slurry. Do not store seeds more than 3 months before planting. Apply only in conjunction with or over a fungicidal treatment. Allow seed to dry before bagging or seeding.

CORN - ROOT MAGGOTS: Use 50g per 100 kg seed. Apply dry or as a slurry. Do not store seeds more than 3 months before planting. Apply only in conjunction with or over a fungicidal treatment. Allow seed to dry before bagging or seeding.

VEGETABLES - CUTWORMS (SURFACE AND SUBTERRANEAN): SOIL TREATMENT: Use 7.75kg/HA. Apply immediately before planting. Use sufficient water to ensure uniform coverage. Mix uniformly into top 7.6-10cm of soil, 7.6-15cm for subterranean cutworms.

MUSHROOM HOUSES - PHORID FLIES, SCIARID FLIES: SURFACE TREATMENT: Use 1-2kg/1000L water. Spray or apply with brush inside and outside walls and ventilators after pasteurizing. Do not spray casing soil or compost bed. Do not let the spray mist contact mushrooms. SURFACE TREATMENT TO SELECTED AREAS: Use 1 kg in 100L water. Apply with a brush to wooden sides of beds, posts, doors and door frames after pasteurizing. Repeat as necessary. Do not spray casing soil or mushrooms.

TOBACCO - SEEDCORN MAGGOT: Use 550-850g/HA. Apply in planting water, using 1800 or more L/HA.

ARBORVITAE - LEAFMINERS: Use 1kg/1000L. Spray when insects first appear. Repeat as necessary. SCALE INSECTS (CRAWLERS): Use 1.5kg/1000L. Spray when insects first appear. Repeat as necessary.

ARALIA, IVY - PRIVET MITE: Use 1kg/1000L. Spray when insects first appear. Repeat as necessary.

AZALEA - LEAFMINERS, PRIVET MITE: Use 1kg/1000L. Spray when insects first appear. Repeat as necessary.

BIRCH, BOXWOOD, OAK - LEAFMINERS: Use 1kg/1000L. Spray when insects first appear. Repeat as necessary.

CARNATION - APHIDS, CATERPILLARS, LEAFMINERS, SPIDER MITES, THRIPS: Use 1.5kg/1000L. Spray when insects first appear. Repeat as necessary.

CHRYSANTHEMUM - APHIDS, CATERPILLARS, LEAFMINERS, SPIDER MITES, THRIPS: Use 1kg/1000L. Spray when insects first appear. Repeat as necessary.

HOLLY - LEAFMINERS: Use 1kg/1000L. Spray when insects first appear. Repeat as necessary. APHIDS, BUD MOTHS: Use 2kg/1000L. Spray when new growth is 0.6cm long and before blossoms open.

JUNIPER - SCALE INSECTS (CRAWLERS): Use 1.5kg/1000L. Spray when insects first appear. Repeat as necessary.

PINES, TAXUS - EUROPEAN PINE SHOOT MOTH, SCALE INSECTS (CRAWLERS): Use 1.5kg/1000L. Spray when insects first appear. Repeat as necessary.

ROSES - APHIDS, ROSE CHAFER: Use 1.5kg/1000L. Spray when insects first appear. Repeat as necessary.

EUONYMUS - SCALE INSECTS (CRAWLERS): Use 1.5kg/1000L. Spray when insects first appear. Repeat as necessary. TURF (ORNAMENTAL, SPORTS) - ANTS, SODWEBWORMS (LAWN MOTHS): Use 100-125g/10L water. Spot treatment: Apply only to infested areas. CLOVER MITE, CRICKETS, GRASSHOPPERS, LEAFHOPPERS: Use 1.2g/10L. Apply thoroughly to areas around buildings. Repeat every 7 days or as needed for control. CLOVER MITE: Use 1.25kg/100L. Spray infested lawn and shrubbery within an area extending 3M from buildings, when mites first appear. Spray lower portion of house wall and around window frames if migration has taken place. Repeat as

necessary. Do not spray inside human dwellings or milk houses.

SOD - LEATHERJACKETS: Use 6.75kg/400-800L/HA. Apply at least 2 weeks before ploughing.

BARRIER STRIPS, DITCHBANKS, FENCE ROWS, NON-CROPPED AREAS, PASTURE, RANGE LAND, ROADSIDES, WASTELANDS - GRASSHOPPERS: Use 1.1kg/HA. Apply in sufficient water for thorough coverage. Repeat as necessary. Do not spray during bloom to avoid injury to pollinating insects. Do not retreat for 30 days. Dairy and beef cattle may be grazed or fed green forage immediately after application. Hay may be fed if not cut for 21 days following application.

MARGINS OF FIELD CROPS - GRASSHOPPERS: Use 1.1kg/HA. Apply when insects first appear. Apply in sufficient water for thorough coverage. Treat a strip inside the crop as well as the headlands and margins outside the crop. Do not treat field crops within 14 days of harvest. Do not spray during bloom to avoid injury to pollinating insects. Do not retreat for 30 days. Dairy and beef cattle may be grazed or fed green forage immediately after application. Hay may be fed if not cut for 21 days following application.

CALF BARNS, DAIRY BARNS, FARM BUILDINGS, LIVESTOCK PENS (FLOORS) - FLIES: Use 250-300g/10L. Residual bait: Add 450g sugar. Spray around doorways, windows and other points of entry where flies congregate. Repeat as necessary. Do not use in poultry houses. Do not spray inside human dwelling or milkhouses.

POULTRY HOUSES - HOUSE FLY (MAGGOTS): Use 125g/40-50L/100 square meters. Sprinkle or use as coarse spray on floor surface. Repeat as fresh manure is added. Use only if poultry is kept on wire and cannot come in contact with the chemical.

BEAN, CORN, PEA, SOYBEAN, SUGARBEET - ROOT MAGGOTS: Use 50g/100kg seed. Apply dry or as a slurry. Do not store seeds more than 3 months before planting. Apply only in conjunction with or over a fungicidal treatment. Allow seed to dry before bagging or seeding.

ONION, RADISH - ROOT MAGGOTS: Use 125g/kg seed. Wet seed with a 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 seeding.

USE RESTRICTIONS:

1. Wear an approved respirator when handling large amounts.
2. Label all treated seed Poisonous to man and animals. This seed has been treated with diazinon. Do not use for food or feed purposes.
3. Do not spray animals or humans.
4. Remove all animals, fish and birds before spraying; do not return them for at least 4 hours after treatment.
5. Do not store near food or feed.
6. 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.
7. Do not contaminate any body of water.

SAFETY PRECAUTIONS:

1. KEEP OUT OF REACH OF CHILDREN.
2. May be fatal if swallowed. Harmful if inhaled or absorbed through the skin.
3. Harmful if inhaled or absorbed through the skin.
4. Avoid contact with eyes, skin and clothing. Avoid breathing fog, dust or spray mist.
5. Wash thoroughly after handling and before eating, drinking or smoking.

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 reflexes and loss of sphincter control.

FIRST AID:

IF SWALLOWED: Give patient 1-2 glasses of water and cause vomiting by inserting a finger down the throat; call a physician.

IF IN EYES: Flush with running water for 10 minutes; call a physician.

IF ON SKIN: Wash thoroughly with soap and water.

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

DECONTAMINATION AND DISPOSAL: For spills on concrete floors, surround and cover the spill with a granular carrier such as

Attaclay, available as cat litter in supermarkets. Allow the carrier to absorb the liquid and then shovel into a container for disposal by burying. Wash the floor with a weak lye solution to remove any traces of pesticide. For spills on wooden floors, use the same procedure as for concrete floors, but repeat washing until odor disappears. Decontaminate equipment and empty containers by thoroughly rinsing with water and dispose of rinsing by burying in non-crop land away from water supplies. Crush, break or puncture empty containers and bury with the rinsings or deliver them to sanitary landfill dumps in accordance with municipal requirements. For additional details on disposal of containers and rinsings and for information about the appropriate means of disposal of unused, unwanted product, contact the regional office of the Environmental Protection Service, Department of the Environment.

NOTICE TO USER: This control product is to be used only in accordance with the directions on this label. It is an offense 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.

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