

1995/2000

GARDEX

INDUSTRIAL

DIAZINON 50E INSECTICIDE

EMULSIFIABLE FORMULATION FOR CONTROL OF COCKROACHES AND OTHER HOUSEHOLD INSECT (BY PEST CONTROL OPERATORS ONLY); FOR CONTROL OF FLIES IN FOOD PROCESSING PLANTS; FOR CONTROL OF INSECTS IN ORNAMENTALS, LAWNS AND OTHER OUTDOOR LOCATIONS.

KEEP OUT OF REACH OF CHILDREN. MAY BE FATAL IF SWALLOWED. DO NOT GET INTO EYES. AVOID CONTACT WITH THE SKIN, INHALATION OF VAPOURS OR SPRAY MIST. WASH THOROUGHLY AFTER HANDLING. AVOID CONTAMINATION OF FOOD OR FEED. USE ONLY AS RECOMMENDED ON THE LABEL. DO NOT RE-USE CONTAINER; DESTROY WHEN EMPTY.

READ THE LABEL BEFORE USING

GUARANTEE: DIAZINON ..... 483 g PER LITRE

REGISTRATION NO. 13505  
PEST CONTROL PRODUCTS ACT

DANGER                      POISON

NET CONTENTS: 4 LITRES

GARDEX CHEMICALS LTD.  
7 MERIDIAN ROAD  
ETOBICOKE, ONTARIO  
M9W 5B4

DIAZINON 50E  
50% EMULSIFIABLE FORMULATION OF DIAZINON  
(contains 483 g. of diazinon per litre)

NOTE: Diazinon 50E is not intended for use in preparing oil-base insecticide sprays. Users who prefer oil-base spray should use Diazinon 50S.

FLY CONTROL IN FOOD PROCESSING PLANTS

Use 2 litres of Diazinon 50E per 100 litres of water and apply as a residual spray to the walls and ceilings of food processing plants early in the season before canning or other processing begins. Repeat application if necessary when plant is not in operation. All processing equipment and produce should be

covered to avoid contamination. Spraying of unloading docks and other outside areas where flies congregate will aid in controlling flies.

For control of fly maggots in vine stacks and similar refuse, use 3 mL of Diazinon 50E in 1 litre of water and spray at the rate of 5 litres per 10 m<sup>2</sup> of refuse area. Treated vines or refuse should not be fed to animals.

N.B. Good sanitation and proper disposal of wastes are necessary in any fly control program.

#### FLY CONTROL IN DAIRY BARNS AND OTHER FARM BUILDINGS

RESIDUAL SPRAYS. Apply a spray of 10 mL of Diazinon 50E in 1 litre of water as an overall application to the ceilings and walls of dairy barns, livestock sheds, calf barns and other farm buildings, except poultry houses. Spray thoroughly garbage dumps, corrals and other places where flies congregate. Repeat application as fly population warrant.

Residual control of up to 8 weeks can be obtained by doubling the concentration (20 mL of Diazinon 50E per 1 litre spray). Applied to the point of "run-off", 7-14 L/100 m<sup>2</sup> of this spray should cover 100 m<sup>2</sup> of area depending on the surface to be treated. (1 litre covers 15 m<sup>2</sup>)

NOTE: Remove animals from buildings before spraying and keep them out for at least 4 hours. Do not apply directly to animals or contaminate their feed and drinking water. Do not use in poultry houses except for control of maggots in manure piles. Do not use in dwellings or milkhouses.

Although control of both adult flies and maggots may be obtained it is not desirable to use the same chemical for both purposes since this may increase the development rate of insect resistance.

FLY MAGGOT CONTROL in poultry houses: 125 mL Diazinon 50E in 50 L of spray per 100 m<sup>2</sup> of floor space. Remove poultry from houses before treatment. Sprinkle or apply a coarse spray on poultry droppings. Use only if poultry are kept on wire and cannot come in contact with the chemical. Repeat treatment if fresh manure is deposited.

N.B. Good sanitation and proper disposal of wastes are necessary in any fly control program.

SUGAR BAIT SPRAYS for knapsack application around doorways, windows and other places where flies congregate: 30 mL Diazinon 50E plus 50 grams of sugar in one litre of water. Repeat application as fly population warrants.

LIQUID SUGAR BAIT FOR SPRINKLING CAN APPLICATION. Use 25 mL

Diazinon 50E and 200 g of sugar (or 250 mL of syrup or molasses) in 10 litres of water and sprinkle lightly over the floor in areas frequented by flies. Burlap bags may be laid out on floors and sprinkled with this mixture. Application every day or two will generally be required.

CONTROL OF HOUSEHOLD INSECTS  
(by pest control operators only)

SPRAY FORMULA: Diazinon 1/2% thoroughly mix 10 mL of Diazinon 50E with one litre of water. Diazinon 1% use 20 mL of Diazinon 50E per litre of water.

COCKROACHES, ANTS, CRICKETS, EARWIGS AND SILVERFISH IN BUILDINGS: Coarse spray or paint brush applications of Diazinon 1/2% should be made to infested places, such as baseboards, space around water pipes and tanks, cracks and crevices, surfaces behind and beneath cabinets, refrigerators, sinks, stoves and similar areas where insects hide. Treatments should be repeated as necessary. Where cockroaches infestations are heavy, it is suggested that the first application be made with Diazinon 1% followed by monthly treatment with Diazinon 1/2%.

CARPET BEETLES IN NON-FABRIC AREAS: Use Diazinon 1/2% and thoroughly spray infested areas around baseboard, cracks in the floor and floor coverings. Repeat the applications as necessary.

CLOVER MITES IN BUILDINGS: Apply Diazinon 1/2% thoroughly spray infested areas around baseboards and floor space adjacent to them. Pay particular attention to cracks and crevices. Apply as a coarse droplet spray or with a paint brush, thoroughly wetting the surfaces.

BROWN DOG TICKS AND FLEAS IN BUILDINGS: Using Diazinon 1/2% thoroughly spray infested areas around baseboard, window and door frame, walls cracks, sleeping quarters of household pets and localized areas of floors and floor coverings, application should be repeated as infestations warrant and as re-infestations occur. Fresh bedding should be placed in animal quarters following treatment. Do not treat animals with this formulation.

NOTE: When used in dwellings, care should be taken to avoid deposits with which children could come in contact. Care should also be taken to avoid spotting of wallpaper and fabrics. Do not contaminate food, food containers or cooking utensils.

NOTE: The solvent used in this formulation is a petroleum distillate which may stain certain plastic rubber and asphalt materials such as tiles and floor coverings. Do not treat such materials.

GRASSHOPPERS

For control of Grasshoppers on rangelands, pasture, ditch banks,

roadsides, fence rows, wasteland, non-crop area and barrier strips apply 1.1 litre of Diazinon 50E per ha in sufficient water to obtain thorough coverage when insects first appear.

For control of Grasshoppers around the margin of field crops apply 1.1 litres of Diazinon 50E per ha in sufficient water to obtain thorough coverage when insects first appear. Treat a strip inside the crops as well as headlands and margins outside the crop.

Do not treat field crops within 14 days of harvest.

Dairy and beef cattle and sheep may be grazed or fed green forage immediately following application. Hay may be fed if not cut for 21 days following application.

NOTE: Do not spray livestock directly.  
Do not apply during bloom to avoid injuring pollinating insects.  
Do not retreat for 30 days.

Flammable mixture: Do not use or store near heat or open flame. Flash point 40'C minimum.

Fish & wildlife caution: This product is toxic to fish and wildlife. Do not contaminate domestic or irrigation water supplies, lakes, streams and ponds.

FIRST AID: If swallowed call a doctor.

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

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.

#### INSECTS ON ORNAMENTALS

Apply Diazinon 50E thoroughly at rates given below when insects first appear. Repeat as necessary.

ORNAMENTAL PLANTS	PESTS	QUANTITY OF DIAZINON 50E PER 100 LITRES OF SPRAY
Arbor vitae	Leaf Miners	100 mL
Arbor vitae	Bagworms, Scale Insects (Crawler stage)	150 mL
Aralia	Privet Mites	100 mL
Azalea	Privet Mites, Leaf Miners	100 mL
Birch	Leaf Miners	100 mL
Boxwood	Leaf Miners	100 mL
Carnations	Aphids, Mites, Thrips, Caterpillars and Leaf Miners	150 mL
Chrysanthemums	Aphids, Mites, Thrips, Caterpillars and Leaf Miners	100 mL
Holly	Leaf Miners	100 mL
	Pulvinaria and Coccus Scales	375 mL
	Aphids, Bud Moths apply when new growth is about 5 cm long and before blossoms open	200 mL
Ivy	Privet Mites	100 mL
Juniper	Bagworms, Scale insects (crawlers) European Pine Shoot Moth	150 mL
Oak	Leaf Miners	100 mL
Pines	Scale insects (crawlers), European Pine Shoot Moth	150 mL
Taxus	Scale insects (crawlers), European Pine Shoot Moth	150 mL

CLOVER MITES INFESTING LAWNS AND SHRUBBERY. To control mites and to prevent their migration to an adjoining dwelling, use 100 mL Diazinon 50E per 100 litres of water and spray thoroughly the infested lawn and shrubbery within an area extending 3 meters from the building. Apply 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.

#### INSECT CONTROL OF LAWNS

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

PESTS	CONCENTRATION OF DIAZINON 50E TO USE	REMARKS
Ants, Sod Webworms (lawn moths), Sowbugs, Pillbugs, Collembola (Spring tails)	15 mL per 10 L water	Apply 50-100 L per 100 m <sup>2</sup>
Chinchbugs	8-15 mL per 10 L water	Thoroughly wet the lawn before treatment. Apply 120 L per 100 m <sup>2</sup> . Repeat every 7 days or as needed for control.
Clover Mites, Leafhoppers, Grasshoppers, Crickets	13 mL per 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 m <sup>2</sup>
Millipedes	120 mL per 10 L water	Apply 15-20 L per 100 m <sup>2</sup>
Leatherjackets (Crane Flies)	15 mL per 10 L water	Apply 50 L per 100 m <sup>2</sup> . Repeat in 7-10 days if necessary.

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