

# D·z·n<sup>®</sup>

## Diazinon 4E

For Use by  
Pest Control  
Operators Only

### Insecticide

For control of cockroaches,  
certain other household  
pests, and turf and  
ornamental pests

Active Ingredients:  
O,O-diethyl O-(2-isopropyl-  
6-methyl-4-pyrimidinyl)  
phosphorothioate .... 47.5%  
Aromatic petroleum  
derivative solvent ..... 26.2%  
Inert Ingredients: 26.3%  
Total: 100.0%

D·z·n Diazinon 4E contains  
4 lbs. Diazinon per gal.

Keep Out of Reach of Children.

### Warning

See additional precaution-  
ary statements left of  
container seam.

### Five Gallons

U.S. Standard Measure

EPA Est.  
EPA Reg. No. 100-463

See directions for use on  
panel at right.

## CIBA-GEIGY

ACCEPTED

MAR 16 1982

100-463

**DIRECTIONS FOR USE AND  
CONDITIONS OF SALE AND WARRANTY**

**IMPORTANT:** Read the entire **Directions for Use** and the **Conditions of Sale and Warranty** before using this product.

**Conditions of Sale and Warranty**

The **Directions for Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of CIBA-GEIGY or the Seller. All such risks shall be assumed by the Buyer.

CIBA-GEIGY warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions for Use** subject to the inherent risks referred to above. **CIBA-GEIGY makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall CIBA-GEIGY or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product.** CIBA-GEIGY and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing **Conditions of Sale and Warranty**, which may be varied only by agreement in writing signed by a duly authorized representative of CIBA-GEIGY.

**General Information**

D•z•n Diazinon 4E is an emulsifiable solution containing 4 lbs. of Diazinon per gal.

It is intended for use by pest control operators after dilution with water for the control of those insects specified on this label.

D•z•n Diazinon 4E is not intended for use in preparing oil base sprays. Pest control operators who prefer oil base sprays should use D•z•n Diazinon 4S in accordance with its label.

**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. Care should also be taken to avoid spotting of wallpaper and fabrics. When used in dwellings, care should be taken to avoid deposits which could be frequently contacted by children. Do not allow children in treated areas until surfaces are dry. Do not contaminate food, food containers, or cooking utensils.

**Directions for Use**

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

**Household Insects**

Dilute D•z•n Diazinon 4E with water to make a 1/2% or 1% spray and apply as indicated below.

	1/2% Spray	1% Spray
1	1 1/4 fl. oz.	2 1/2 fl. oz.
2	2 1/2 fl. oz.	5 fl. oz.
3	3 3/4 fl. oz.	7 1/2 fl. oz.
10	12 1/2 fl. oz.	25 fl. oz. (1 1/2 pts.)
25	30 fl. oz. (2 pts.)	64 fl. oz. (4 pts.)

**Cockroaches (Waterbugs), Ants,**

**Silverfish:** Make spot applications of 1/2% coarse spray or apply with a paintbrush to baseboards, areas around water pipes, cracks and crevices, surfaces behind and beneath cabinets, refrigerators, sinks, stoves, and similar areas where these insects hide.

For heavy cockroach infestations, make the first application at a strength of 1%, followed by monthly applications of 1/2% spray.

**Carpet beetles:** Apply a 1/2% spray in spot applications along baseboards and edges of carpeting, under carpeting and rugs, and furniture, in closets and on shelving, and wherever these insects are seen or suspected.

**Spiders and Scorpions:** Apply a 1/2% spray around windows, doors, and along baseboards. Make spot applications to other areas over which these pests may crawl.

**Pantry Pests—Exposed Stages (Saw-toothed grain beetle, Flour beetle, Rice weevil, Cigarette beetle, Drugstore beetle, Indian meal moth)** : Apply a 1% spray to shelves and cupboards where food containers suspected of being infested are stored. Remove all food and shelving paper before spraying. Do not replace the food packages until spray has dried. Cover shelves with shelving paper. This treatment is supplemental to good housekeeping, since it will have no effect on insects breeding within food packages. Infested food packages should be destroyed.

**Brown Dog Ticks in Buildings**

Make thorough application of a 1/2% spray to infested areas around baseboards, window and door frames, wall cracks, sleeping quarters of household pets and localized areas of floors and floor coverings. Fresh bedding should be placed in animal quarters following treatment. Do not treat animals with this formulation.

**Feed and Food Handling Establishments**

Apply D-z-n Diazinon 4E as either a spot or crack and crevice treatment as directed below. Limit spot treatments to floor surfaces where pests have been seen or where they are suspected of hiding. Limit individual spot treatments to an area no larger than 20 percent of the floor and wall surface. Do not apply to areas, surfaces, or utensils which will come in contact with food. Take extreme care to avoid contamination of food or food contact surfaces or introducing the material into the air.

**Food and Nonfood Areas: Spot Treatment**—As a spot treatment, apply 1/2-1% as a coarse, low pressure fan spray to floor surface areas around water pipes, beneath cabinets, refrigerators, sinks, stoves, storage areas, and similar areas where cockroaches, ants, spiders, and silverfish hide.

**Crack and Crevice Treatment**—As a crack and crevice treatment, use equipment capable of delivering a pin stream of insecticide and apply 1/2-1% directly into such spaces as expansion joints between different elements of construction and between equipment bases and the floor, wall boards or in hollow equipment legs.

These treatments also aid in the control of pantry pests (exposed stages of saw toothed grain beetle, flour beetle, rice weevil, cigarette beetle, drugstore beetle and Indian meal moth) which come into contact with treated surfaces. Do not use this product in conduits, motor housings, and electrical switch boxes. Repeat applications as necessary.

**Ornamental Insects**

To control certain insects on ornamentals, such as Arborvitae, Azalea, Birch, Boxwood, Camellia, Carnation, Chrysanthemum, Douglas fir, Elm, Gladioli, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Oak, Pine, Plum, Poplar, Rhododendron, Rose, Spruce, and Willow, apply the recommended rates indicated below.

Insects	Amount D-z-n Diazinon 4E to use	
	per 3 gals water	per 100 gals water
Aphids		
Bagworms		
Carnation bud mites		
Carnation shoot mites		
Clover mites		
Cyclamen mites		
Dipterous leafminers		
European pine shoot moths		
European red mites		
Flea beetles		
Holly bud moths	1/2 fl oz	1 pt
Leafhoppers		
Obscure root weevils		
Omnivorous leafhoppers		
Privet mites		
Scale crawlers		
Cottony cushion		
Lecanium		
Pine needle		
San Jose scale		
Thrips		
Two-spotted mites		
Webworms		
Whiteflies		
Apple-and-thorn skeletonizers		
Cotoneaster webworms		
Fall web worm		
Hemlock chermes	1 1/2 fl oz	3 pts
Orn looper		
Oblique-banded leafrollers		
Pear slugs		
Tent caterpillar		
1 fl oz    2 tbsps    1/2    1 pt		

Do not use on Ferns, Poinsettia, Hibiscus, Papaya, Pilea, and Gardenia, since injury to the plants may occur.

**Mimosa webworm:** Mix 1/2 fl. oz. (1 tablespoon) in 3 gals. of water (or 1 pt. in 100 gals. of water) and apply as a thorough foliar spray when adults first appear. Make a second and third application at 4-5 week intervals.

### Lawn Insects

To control insects listed below, apply recommended rates. For insects such as Ants, Brown dog ticks, Clover mites, Crickets, Earwigs, Fleas, Millipedes, Sowbugs, and Springtails (Collembola), which are commonly found near the house and may enter the house, spray a 5-ft. band of soil around the house, as well as the house foundation wall to a height of 2-3 ft. Repeat application if necessary.

Insects	Rate per 1,000 sq. ft.		Remarks
	Conc. oz./gal.	Water	
Lawn chinch bugs	2-3 fl. oz. or 3-6 fl. oz.	25 gals.*	Use higher rate for longer periods of infestation and in lawns of dense growth such as St. Augustine lawns.
Ants, Armyworms, Clover mites, Springtails (Collembola), Crickets, Cutworms, Digger wasps, Earwigs, Frit flies, Lawn billbugs, Sod webworms (Lawn moth), Sowbugs	4 fl. oz.	3 gals.	*Spot spray anthills and wasp ground nest openings. For lawn billbugs, irrigate the lawn thoroughly immediately after treatment. For frit flies, mow grass and water well before treatment but delay application until grass is dry. Do not water again until necessary.
Brown dog ticks, Bermuda mites, Chiggers, Fleas, Leafhoppers	1 1/4 fl. oz.	3 gals.	Do not apply to animals. For Brown dog ticks, spray grass and under shrubbery, particularly near house.
Millipedes	8 fl. oz.	3 gals.	
Rhodesgrass scales	5 fl. oz.	25 gals.	Apply when crawlers first emerge.

\*Application may be made in 3 gals. of water per 1,000 sq. ft. Thoroughly water treated area immediately following application.

### Boxelder bugs

Spray bugs outside the home with 1 1/4-2 1/2 fl. oz. (2 1/2-5 tablespoons) in 1 gal. of water. At the same time, spray thoroughly around foundation, windows, doors, tree trunks, and into cracks and other places where the insects hide.

### Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Pesticide, spray mixture, or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

Triple rinse or equivalent, and offer for recycling, reconditioning, or disposal in approved landfill, or bury in a safe place. Consult federal, state, or local disposal authorities for approved alternative procedures such as limited open burning.

### Precautionary Statements

#### Hazards to Humans and Domestic Animals

##### WARNING

May be fatal if swallowed. May be absorbed through skin. Do not breathe spray mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Avoid contamination of food and feed. Keep out of reach of domestic animals. Do not use on humans, household pets, or livestock. Do not permit children or pets to go onto sprayed grass until spray has completely dried.

##### Statement of Practical Treatment

If swallowed, call a physician immediately. DO NOT INDUCE VOMITING UNLESS NO OTHER TREATMENT IS AVAILABLE. Vomiting may cause aspiration pneumonia. If it is necessary to induce vomiting, give victim one or two glasses of water and insert finger in back of throat. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

If inhaled, remove victim to fresh air and apply artificial respiration if indicated

If on skin, wash promptly with soap and water. Rinse thoroughly

If in eyes, rinse eyes for at least 15 minutes with water and call a physician immediately

**Note to Physician:** Gastric lavage is indicated. Atropine sulfate and 2-PAM are specific antidotes

**Environmental Hazards**

This product is toxic to fish and wildlife. Birds feeding on treated areas may be killed. Keep out of any body

of water. Apply this product only as specified on this label

This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting the crop, cover crop, or weeds blooming in the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity

**Physical or Chemical Hazards**

Do not use, pour, spill, or store near heat or open flame

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