

JAN 16 1985

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Ms. Judith A. Thompson  
Crown Industries  
P.O. Box 7532  
Madison, WI 53707

Dear Ms. Thompson:

Subject: Amendment - Updated Label with Minor Revisions  
Crown Diazinon 4E Insecticide  
EPA Registration No. 7272-131  
Your Application Dated August 23, 1984

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Sincerely yours,

George T. LaRocca  
Product Manager (15)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767)

Enclosure

RD/IRB:JOB:50430:G.T.LaRocca:RD-07:Kim:Kenderick:898-1270:1/7/85:Del.1/15/85

CONCURRENCES

SYMBOL ▶								
SURNAME ▶	T. Berollet							
DATE ▶	1/10/85							



# DIAZINON 4E INSECTICIDE



For Use by Pest Control Operators Only.  
Not For Storage In or Around the Home.  
For control of cockroaches, and other listed  
household pests, and turf and ornamental pests.

<b>ACTIVE INGREDIENTS:</b>	
Diazinon [0, 0-diethyl 0-(2-iso-propyl-5-methyl-4-pyrimidinyl) phosphorothioate]	48.0%
<b>INERT INGREDIENTS:</b>	52.0%
<b>TOTAL</b>	<b>100.0%</b>

Diazinon 4E contains 4 lbs. Diazinon per gallon.

**KEEP OUT OF REACH OF CHILDREN**

## WARNING

See side panel for additional precautions.



MANUFACTURED FOR

**Crown industries**

DIVISION OF HOPKINS AGRICULTURAL CHEMICAL CO  
P.O. BOX 7832  
MADISON, WI 53707 U.S.A.

EPA Reg. No. 7273-131  
EPA Est. No. 2393-N-2<sup>C</sup>, 2393-WI-1<sup>C</sup>,  
823-N-1<sup>C</sup>, 2393-WI-2<sup>C</sup>, 35800-MO-1<sup>C</sup>  
Superscript refers to first letter of letter number.

Sales Office:  
(800) 325-3318 or  
(314) 533-0909

**NET CONTENTS**

**1 GALLON  
(3.785 LITERS)**

ACCEPTED  
with COMMENTS  
by EPA Letter Dated:

JAN 16 1985

7273-131

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED** — Call a physician or Poison Control Center immediately. Gastric lavage is indicated if material was taken internally. **DO NOT INDUCE VOMITING** unless other treatment is not 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. Apply respiration if indicated.

**IF ON SKIN** — Wash contaminated skin with soap and water.

**IF IN EYES** — Flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

**NOTE TO PHYSICIAN** Atropine, by injection, is antidotal. 2-PAM may be used in conjunction with atropine.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**WARNING**

**KEEP OUT OF REACH OF CHILDREN**. 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 and before eating or smoking. 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 the sprayed grass until spray has completely dried.

**ENVIRONMENTAL HAZARDS**

**Fish and Wildlife Caution**. This product is toxic to fish and wildlife. Birds feeding on treated areas may be killed. Keep out of any body of water. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. 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.

**NOTICE OF WARRANTY**

Crown Industries makes no warranty of merchantability, fitness for any purpose, or otherwise express or implied, concerning this product or its use, which extend beyond the statements on this label.



**GENERAL INFORMATION**

Diazinon 4E is an emulsifiable solution containing 4 lbs. of Diazinon per gallon. It is intended for use by pest control operators after dilution with water for the control of those insects listed below.

Diazinon 4E is not intended for use in preparing oil base sprays. Pest control operators who prefer oil base sprays should use Diazinon 4S.

**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.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**Storage:** Do Not use or store near heat or open flame. Keep container sealed when not in use. Store in a cool, dry place. High temperature may shorten shelflife of product.

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Container Disposal:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Household Insects:**

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

Gals. of Finished Spray	Amount Diazinon 4E to use for		Gals. of Finished Spray	Amount Diazinon 4E to use for	
	1/2% spray	1% spray		1/2% spray	1% spray
1	1.25 fl. oz.	2.5 fl. oz.	10	12.5 fl. oz.	25.0 fl. oz.
2	2.5 fl. oz.	5.0 fl. oz.			(1.6 pts.)
3	3.75 fl. oz.	7.5 fl. oz.	25	32.0 fl. oz.	64.0 fl. oz.
				(2.0 pts.)	(4.0 pts.)

\*2 1/2 tablespoons = 1.25 fl. oz.

**Cockroaches (Waterbug), Ants and Silverfish:**

Make spot applications of 1/2% Diazinon as a coarse spray or apply with a paint brush 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% Diazinon, followed by monthly applications of 1/2% Diazinon.

**Carpet Beetles:** Apply a 1/2% Diazinon 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% Diazinon 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 1/2% 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.

**FOOD HANDLING ESTABLISHMENTS:** Places other than private residences in which exposed food is held, processed, prepared or served.

**FOOD AREAS — APPLICATION LIMITED TO CRACK AND CREVICE TREATMENT ONLY.**

Includes areas for receiving, storage, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups). Serving areas (when food is exposed and facility is in operation also would be considered a food area).

Dilute Crown Diazinon 4E insecticide with water to make a 1/2% or 1% Diazinon spray and apply as indicated in the table above. Apply in small amounts directly into cracks and crevices using equipment capable of delivering a pin stream of insecticide in joints between different elements of construction, between equipment and floors, openings leading to voids and hollow spaces in walls, equipment legs and bases, where cockroaches, ants, spiders, and silverfish hide. Aids in the control of pantry pests (exposed stages of sawtoothed grain beetle, flour beetle, rice weevil, cigarette beetle, drugstore beetle, and Indian meal moth) which come in contact with treated surfaces.

Care should be taken to avoid depositing the product onto exposed surfaces or introducing the material into the air. Avoid contamination of food or food processing surfaces.

**APPLICATIONS OF THIS PRODUCT IN THE FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS OTHER THAN AS A CRACK AND CREVICE TREATMENT ARE NOT PERMITTED.**

**Note:** Diazinon 4E is not recommended for use in conduits, motor housings, junction or switch boxes because of shock hazard.

**Brown Dog Ticks in Buildings:**

Make thorough application of a 1/2% Diazinon 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.

**Ornamental Insects. (Listed in first chart on right side panel):**

To control the listed insects on ornamentals: Arborvitae, Azalea, Birch, Boxwood, Camellia, Carnation, Chrysanthemum, Douglas Fir, Elm, Cladonia, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Oak, Pine, Plum, Poplar, Rhododendron, Rose, Spruce, and Willow apply in the recommended rates indicated in the chart on right side panel.

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

**Minnow Webworms:**

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

Continued on right side panel.

**RATES OF APPLICATION**

Insects	Amt. Diazinon 4E to use	
	per 3 gal. water	per 100 gal. water
Aphids Bagworms Carnation Bud Mites Carnation Shoot Mites Clover Mites Cyclamen Mites Dipterous Leaf Miners European Pine Shoot Moths European Red Mites Flea Beetles Holly Bud Moths Leafhoppers Obscure Root Weevils Omnivorous Leaf Tiers Privet Mites Scale Crawlers Cottony-cushion Lecanium Pine Needle San Jose Soft Scales Thrips Two-Spotted Mites Webworms Whiteflies	1/2 fl oz	1 pt
Apple-and-Thorn Skeletonizers Columbine Webworms Fall Webworms Hemlock Cherries Oak Loopers Oblique-Banded Leaf Rollers Pear Slugs Tent Caterpillars	1 1/2 fl oz	3 pts

1 fl oz = 2 tablespoons    16 fl oz = 1 pt

**LAWN INSECTS**

To control insects listed below, apply recommended rates. For Ants, Brown Dog Ticks, Clover Mites, Crickets, Earwigs, Millipedes, Sowbugs, and Collembola (Springtails) 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.

**Boxelder Bugs:** Spray bugs outside the home with 1 1/2-2 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.

INSECTS	RATE/PER 1,000 SQ. FT.	
	DIAZINON 4E	WATER
1 Lawn Chinch Bugs	12-3 1/2 oz or 3-6 fl oz	25 gals
2 Ants, Armyworms, Clover Mites, Collembola (Springtails), Crickets, Cutworms, Digger Wasps, Earwigs, Fire Flies, Lawn Billbugs, Sod Webworms (Lawn Moths), Sowbugs	4 fl oz	3 gals
3 Brown Dog Ticks, Bermuda Mites, Chiggers, Leafhoppers, Ticks	1 1/2 fl oz	3 gals
4 Millipedes	8 fl oz	3 gals
5 Rhodesgrass Scales	5 fl oz	25 gals

**REMARKS**

- 1 Use higher rate for longer residual control and in lawns of dense growth such as St. Augustine lawns
- 2 Spot spray ant hills and wasp ground nest openings
- For lawn billbugs, irrigate the lawn thoroughly immediately after treatment. For fire flies, mow grass and water well before treatment but delay application until grass is dry. Do not water again until necessary.
- 3 Do not apply to animals
- For brown dog ticks spray grass and under shrubbery, particularly near house
- 4 Apply when crawlers first emerge
- 5 Alternatively, make applications in 3 gals. water per 1,000 sq. ft. and thoroughly water immediately following application.