

Reg # 7122-110

PM-13

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DEC - 2 1991

300/S348667  
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Mr. Howard Arbaugh  
The ArChem Corporation  
1514 Eleverth Street  
P.O. Box 767  
Portsmouth, OH 45662

Dear Mr. Arbaugh:

Subject: Amendment - Label Revision (Add Toxic Inert Ingredient Statement  
Guardian® Diazinon 4 LB Concentrate WE  
EPA Registration No. 7122-110  
Your Application Dated August 14, 1990

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable provided that you make the labeling changes indicated below prior to release for shipment of product bearing the amended labeling.

1. Replace the statement "This product contains the toxic inert ingredient xylene" with "Contains xylene solvent." This phrase should be place beneath the ingredient statement and an asterisk to Inert Ingredients.
2. Note that this product is subject to the Guidance for the Reregistration of Pesticide Products containing Diazinon as the Active Ingredient issued December 24, 1988 and amended August 24, 1989. Data and/or labeling requirements imposed under this Standard and relevant to the subject product must be submitted in order to remain in compliance with FIFRA. Refer to the enclosed label for Ciba-Geigy's product, D-Z-N Diazinon 4E and revise your directions for use and precautionary statements accordingly.
3. Please identify the meaning of W.E. in the product name.

CONCURRENCES

SYMBOL							
SURNAME	GA						
DATE	10/20/91						

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Submit five copies of your final printed labeling before you release the product for shipment. A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

George T. LaRocca  
Product Manager 13  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

Enclosure

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## 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. Do not use on humans or permit children to go onto sprayed grass until spray has completely dried. Keep out of reach of domestic animals. Do not contaminate feed or use on household pets or livestock. Do not permit pets to go onto sprayed grass until spray has completely dried.

### PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flame. Minimum flash pt. 81° F.

### ENVIRONMENTAL HAZARDS

This product is toxic to birds, fish, and wildlife including waterfowl. Birds and waterfowl feeding or drinking on treated areas may be killed. Apply this product only as specified on this label. Do not exceed maximum permitted label rates. As rates above those recommended significantly increase potential hazard to birds, fish, and waterfowl. Avoid overlapping of sprays. Where irrigation (watering) is recommended apply a minimum of 0.25" of water immediately after application. Stop irrigation when puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries (except for effluence from treated waterfowl beds). Do not apply to water that will be used for recreational purposes and human and livestock consumption. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab and other aquatic life are important resources. This product must not be used in areas where impact on threatened endangered species is likely. Contact your State Fish and Game Agency for information pertaining to areas having threatened endangered species. Apply this product only as specified on this label.

This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining in 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 treatments and the next period of bee activity.

### DIRECTIONS FOR USE

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

### GENERAL INFORMATION

**Caution:** *Diazinon* is not intended for use in preparing oil base sprays. **NOTE:** The solvent used in this formulation is a petroleum distillate which may cause staining of certain plastic, rubber and asphalt materials such as tiles and floor coverings. Do not treat such materials. Care should be taken to avoid staining 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. *Guardian Diazinon* is intended for use by pest control operators after dilution with water for control of insects listed.

### APPLICATIONS WITHIN FOOD AREAS OF 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 in small scale food plants. Serving areas (when food is exposed and facility is in operation) also would be considered a food area. Apply in small amounts directly into cracks and crevices using equipment capable of delivering a thin stream of insecticide in points between different elements of construction, between equipment and floor, openings leading to voids and hollow spaces in walls, equipment legs and bases, where cockroaches, ants, spiders, silverfish hide. **DO NOT USE** this product in condenser motor housings and electrical switch boxes. 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.

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

#### NON-FOOD AREAS

Includes garages, porches, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling). Using the dilution chart above, apply to baseboard areas, around water pipes, surfaces behind and beneath sinks, burner valves, pipes and similar areas where insects hide or through which they may enter.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

**PESTICIDE:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If pesticide, spray mixture or rinsate 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.

**CONTAINERS:** Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state by burning. If burned stay out of smoke.

This Product Must Not Be Used On Golf Courses



Net Contents

## DIAZINON 4 CONCENTRATE

FOR USE BY PEST CONTROL OPERATORS ONLY FOR CONTROL OF INSECTS LISTED ON CERTAIN OTHER HOUSEHOLD PRODUCTS

**Active Ingredients:**  
O,O-diethyl O-(isopropyl 6-methyl-4-pyrimidinyl phosphorothioate) Aromatic Petroleum Derivative Solvent  
**Inert Ingredients:**  
TOTAL  
\* Diazinon trademark of Ciba-Geigy Corporation  
Contains 4 lbs. Diazinon per gallon

THIS PRODUCT CONTAINS THE TOXIC INERT

## KEEP OUT OF REACH OF WARNING

### STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED:** Call a physician immediately. **DO NOT** induce vomiting. **NO OTHER TREATMENT IS AVAILABLE.** Vomiting may cause pneumonia. If it is necessary to induce vomiting, give water and insert finger in back of throat. Repeat until water and vomiting or give anything by mouth to an unconscious person.  
**IF INHALED:** Remove victim to fresh air and apply artificial respiration if necessary.  
**IF ON SKIN:** Wash promptly with soap and water. Rinse thoroughly.  
**IF IN EYES:** Rinse eyes with plenty of water and call a physician immediately.  
**NOTE TO PHYSICIAN:** Gastric lavage is indicated. Contains anticholinergic properties. Presents aspiration hazards. Atropine sulfate and 2-Pic.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONS

EPA Reg. No. 7122-110

MANUFACTURED BY

The ArChem Corporation

1514 Eleventh St. P.O. Box 767

614-353-1125

Batch # \_\_\_\_\_ Packed by \_\_\_\_\_

AR-442

BEST AVAILABLE COPY

This Product Must Not Be Used On Golf Courses and Sod Farms



Net Contents

# DIAZINON 4 LB. CONCENTRATE W.E.

FOR USE BY PEST CONTROL OPERATORS ONLY FOR CONTROL OF COCKROACHES AND CERTAIN OTHER HOUSEHOLD PESTS.

Active Ingredients:		
O,O-diethyl O-(isopropyl 6-methyl-4-primidinyl phosphorothioate)	47.5%	
Aromatic Petroleum Derivative Solvent	28.0%	
Inert Ingredients	22.0%	
<b>TOTAL</b>	<b>100.00%</b>	

\* Diazinon trademark of Ciba-Geigy Corporation  
Contains 4 lbs. Diazinon per gallon

THIS PRODUCT CONTAINS THE TOXIC INERT INGREDIENT XYLENE

## KEEP OUT OF REACH OF CHILDREN WARNING

### 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 to 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 with plenty of water and call a physician immediately.

**NOTE TO PH/SICIAN:** Gastric lavage is indicated. Contains a petroleum-based solvent which presents aspiration hazards. Atropine sulfate and 2-PAM are specific antidotes.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONS.

EPA Reg. No. 7122-119

EPA Est. No. 7122-0H-1

MANUFACTURED BY

**The ArChem Corporation**

1514 Eleventh St. P.O. Box 787 Portsmouth, Ohio 45662  
614-353-1125

Batch # \_\_\_\_\_ Packed by \_\_\_\_\_ Date \_\_\_\_\_

AR-442

### DIRECTIONS FOR USE — HOUSEHOLD

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

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

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

### DIAZINON DIRECTIONS

**Cockroaches, Ants and Silverfish:** Make spot applications of 1/2% Diazinon as a coarse spray or apply with a paint brush to baseboards, areas around waterpipes, cracks and crevices, surfaces behind and beneath cabinets, refrigerators, sinks and stoves, 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, rugs and furniture in closets and on shelving.

**Spiders:** Apply a 1/2% Diazinon spray around windows and doors, and along baseboards.

**Pantry Pests — exposed stages (Saw-toothed Grain Beetle, Flour Beetle, Rice Weevil, Cigarette Beetle, Dragstore 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 the 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.

**Guardian Diazinon** is only an aid in controlling Pantry Pests that actually contact the treated surfaces.

**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.

**Lawn Insects:** To control insects listed below, apply recommended rates. For **Ants, Brown Dog Ticks, Clover Mites, Crickets, Earwigs, Fleas, Millipedes, Sawbugs, 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 to 3 ft. Repeat application if necessary.

**Millipede 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 to 5 week intervals.

**Beetle Bugs:** Spray bugs outside the home with 1 1/4 to 2 1/2 fl oz (2 1/2 to 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/1,000 (Product name)	sq ft Water	Remarks
Lawn Chinch Bugs	2.3 fl oz or 3.6 fl oz	25 gal	Use higher rate for longer residual control and in lawns of dense growth such as St. Augustine lawns.
Ants, Armyworms, Clover Mites, Collembola (Springtails), Crickets, Cutworms, Digger Wasps, Earwigs, Fire Flies, Lawn Billbugs, Sod Webworms (Lawn Moths), Sowbugs	2.4 fl oz	3 gals	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.
Brown Dog Ticks, Bermuda Mites, Chiggers, Fleas, Leafhoppers, Ticks	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	
Rhodes Grass Scales	5 fl oz	25 gals	Apply when crawlers first emerge.

\* Alternatively, make application in 3 gals of water per 1,000 sq ft and thoroughly water immediately following application.

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