

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS  
& 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 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. Do not use in serving areas of restaurants while food is exposed.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish, birds and other wildlife. Birds and other wildlife feeding on treated areas may be killed. Keep out of any body of water. Apply this product only as specified on this label. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes.

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 vegetation 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 or store near heat or open flame.

**DIRECTIONS FOR USE**

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

**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.

**IMPORTANT: Read the entire DIRECTIONS FOR USE and the NOTICE before using this product.**

**NOTE:** The solvent used in this formulation is a petroleum distillate which may stain certain plastic, rubber and asphalt materials contained in 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.

Dilute Diazinon 4E with water to make a 1/2% or 1% Diazinon spray as follows:  
1/2% spray - Use 1-1/4 fl. oz. Diazinon 4E per gal. finished spray.  
1% spray - Use 2-1/2 fl. oz. Diazinon 4E per gal. finished spray.

Note: 2-1/2 tablespoons = 1-1/4 fl. oz.

Apply as indicated below:

**HOUSEHOLD INSECTS:**

**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.

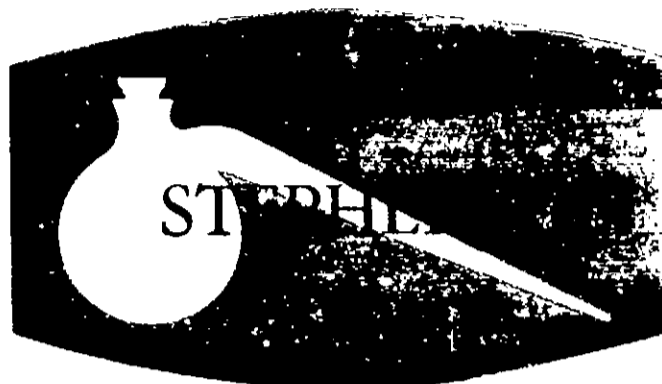
**SPIDERS and SCORPIONS:** Apply a 1/2% Diazinon spray around windows, doors, and along baseboards. Make spot applications to other areas over which these pests may crawl.

**PANTRY PESTS:** Exposed stages (Saw-Toothed Grain Beetle, Confused Flour Beetle, Little Weevil, Cigarette Beetle, Drugstore Beetle, Indian-Meal Moth).

Apply a 1/2% spray to areas 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 BUILDING:** 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.

**FEED AND FOOD-HANDLING ESTABLISHMENTS:** Places other than private residences in which food or feed is held, processed, prepared or served. Apply Diazinon 4E as either a spot or crack and crevice treatment as directed.



ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

DEC 6 1982

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

1887-163

**DIAZINON-4E  
Insecticide**

Only for Sale to, Use and Storage by Pest Control Operators

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 ..... 47.55%  
Tetrachloroethylene ..... 8.70%  
Aliphatic petroleum distillates ..... 26.15%

**INERT INGREDIENTS** ..... 17.60%  
**TOTAL** ..... 100.00%

Diazinon 4E contains 4 lbs. Diazinon per gal.

**KEEP OUT OF REACH OF CHILDREN  
WARNING**

**STATEMENT OF PRACTICAL TREATMENT**

If swallowed - Call a physician or Poison Control Center immediately. If possible, vomiting should be induced under medical supervision. Drink one or two glasses of water and induce vomiting by touching the back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

If inhaled - Remove victim to fresh air. Apply artificial respiration if indicated.

If on skin - Remove contaminated clothing and wash affected areas with soap and water.

If in eyes - Flush eyes with plenty of water. Call a physician immediately.

Note to Physician: Diazinon 4E contains petroleum distillates. If gastric lavage is deemed necessary, do so only after properly placing an intratracheal cup. Diazinon is a cholinesterase inhibitor. Treat symptomatically. Atropine is antidotal.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

Manufactured by  
**STEPHENSON CHEMICAL CO., INC.**  
COLLEGE PARK, GEORGIA 30337

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 30 percent of the floor surface. For spot treatments, no individual spot will exceed two (2) square feet. 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:** Food areas include areas for receiving, storage, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, grinders, edible oils, syrups). Serving areas (when food is exposed and facility is in operation) also would be considered a food area. Non-food areas include garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

**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 sawtoothed 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, Gladiolus, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Oak, Pine, Plum, Poplar, Rhododendron, Rose, Spruce, and Willow, apply the recommended rates indicated below.

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

**Mimosa 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 second and third application at 4-5 week intervals.

**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 Weevil, Omnivorous Leaf Tiers, Privet Mites, Scale Crawlers (Cottony-Cushion, Lecanium, Pine Needle), San Jose Soft Scales, Thrips, Two-Spotted Mites, Webworms, Whiteflies:** Apply at rate of 1/2 fl. oz. (1 tablespoon) Diazinon 4E to 3 gal. water or 1 pint (16 fl. oz.) Diazinon 4E to 100 gal. water.

**Apple-and-Thorn Skeletonizers, Cottonaster Webworms, Fall Webworms, Hemlock Chermes, Oak Loopers, Oblique-Banded Leaf Roller, Pear Slugs, Tent Caterpillars:** Apply at rate of 1 1/2 fl. oz. (3 tablespoons) Diazinon 4E to 3 gal. water or 3 pints (48 fl. oz.) Diazinon 4E to 100 gal. water.

**LAWN INSECTS:** To control insects listed below, apply recommended rates. For Ants, Brown Dog Ticks, Clover Mites, Crickets, Earwigs, Fleas, 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.

**Lawn Chinch Bugs:** Apply at rate of 2-3 fl. oz. or 3-6 fl. oz. Diazinon 4E to 25 gallons water per 1000 sq. ft. Use higher rate for longer residual control and in lawns of dense growth.

**Ants, Armyworms, Clover Mites, Collembola (Springtails), Crickets, Cutworms, Digger Wasps, Earwigs, Frit Flies, Lawn Billbugs, Sod Webworms (Lawn Moths), Sowbugs:** Apply at rate of 4 fl. oz. Diazinon 4E to 3 gals. water per 1000 sq. ft. Spot spray ant hills 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, Ticks:** Apply at rate of 1 1/4 fl. oz. to 3 gals. water per 1000 sq. ft. Do not apply to animals. For brown dog ticks spray grass and under shrubbery, particularly near house.

**Millipedes:** Apply at rate of 3 fl. oz. Diazinon 4E to 3 gals. water per 1000 sq. ft. **Rhodes-Grass Scales:** Apply at rate of 4 fl. oz. Diazinon 4E to 25 gals. water per 1000 sq. ft. when crawlers first emerge.

## STORAGE AND DISPOSAL

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

**PESTICIDE DISPOSAL:** Pesticide spray mixture or rinseate that cannot be used according to label instructions must be disposed of according to Federal, State, or local procedures under the Resource Conservation and Recovery Act.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent) and offer for recycling or reconditioning, or dispose of in a sanitary landfill, or by other approved State and local procedures.

**NOTICE:** Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

EPA Reg. No. 4887-163      EPA Est. No. 4887-GA-1

NET CONTENTS: \_\_\_\_\_

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DEC 6 1982

*Done  
10/28/82*

Stephenson Chemical Company, Inc.  
P. O. Box 87188  
College Park, GA 30337

Attention: Mr. Blasingame

Gentlemen:

Subject: Amendment - Stephenson Chemicals Diazinon-4E  
Insecticide  
EPA Registration No. 4887-163  
Application Dated September 22, 1982  
Section to Allow Revision of Feed and Food Handling Establishments  
Spot Treatment and Crack and Crevice Treatment

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), ~~is~~ *is* acceptable. A stamped copy of the label is enclosed for your records.

At the next label printing, insert "Diazinon" in front of its chemical formula in the active ingredients statement.

Sincerely yours,

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

Enclosure