

Reg # 4887-179
PM 15
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AUG 6 1985

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

Dear Ms. Bennett:

Subject: Stephenson Chemicals Diazinon 25E
EPA Registration No. 4987-179
Your Submission Dated December 14, 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.

Please note, the following additions and/or corrections should be made at the next printing of final labeling.

1. In the environmental hazard statement, the phrase "Keep out of lakes, streams and ponds" must be deleted and replaced with the statement "Do not apply directly to water."
2. Refer to PR Notices 83-3 and 84-1 for appropriate disposal statement for home owner use products. The present label is overlabeled for a homeowner use product.

Submit five (5) copies of the final printed label for our record.

Sincerely yours,

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

Enclosure

RD/IRB:JOB-88042:Adam Heyward:RD-36:Kendrick:898-1270:7/17/85:Del.8/29/85:Kim
REV:JOB:88051:Adam Heyward:RD/06:Kendrick Co:898-1270:8/3/85:Del.9/2/85:DRD

CONCURRENCES

SYMBOL ▶	44-267						
SURNAME ▶	Heyward						
DATE ▶	8.6.85						

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

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Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 4887-179



DIAZINON 25E

For Control of Certain Garden, Ornamental and Lawn Insects

ACTIVE INGREDIENTS:

O, O-diethyl O-(2-isopropyl 6-methyl-4-pyrimidinyl) phosphorothioate	25.00%
Aromatic petroleum derivative solvent	61.25%
INERT INGREDIENTS	13.75%
	100.00%

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. See side panel for additional precautionary statements.

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

DIRECTIONS FOR USE

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

SEE ATTACHED PAMPHLET FOR COMPLETE DIRECTIONS
READ ALL DIRECTIONS AND WARNINGS BEFORE USE

STORAGE & DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. **FLAMMABLE:** Do not use, pour, or spray near heat or open flame.

PESTICIDE DISPOSAL: Pesticide, spray mixture, or rinse water that cannot be used according to Federal, State or local procedures.

CONTAINER DISPOSAL: Triple rinse (or equivalent) for recycling or reconditioning, or dispose of in landfill, or by incineration, or if allowed by local authorities, by burning. If burned, stay downwind. Metal - Triple rinse, (or equivalent). Then recycle or reconditioning, or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities.

NOTICE: Seller makes no warranty, expressed or implied, of this product other than indicated on the label. Buyer assumes all liability for use and/or handling of this material when such use and/or handling is not in accordance with label instructions.

EPA Reg. No. 4887-179

EPA

Net Contents:

DRAFT

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

WARNING

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

NOTE TO PHYSICIAN

Active ingredient is a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote. 2-PAM is also antidotal and may be administered in conjunction with Atropine.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, shrimp, crab, birds, and other wildlife. Birds and other wildlife in treated areas may be killed.

Keep out of any body of water. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources.

This product is highly toxic to bees exposed to direct treatment or residue on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

DO NOT USE IN THE HOME. Do not contaminate ornamental fishpond

PHYSICAL HAZARDS

Flammable. Keep away from heat or open flame.

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1 gallon of water covers approximately 1,000 sq. ft.
 Turpin
 in 3 gals. of water covers approximately 1,000 sq. ft. of garden.
 Aphids, Flea Beetles, Grasshoppers, Millipedes
 in 3 gals. of water covers approximately 1,000 sq. ft.
Preplant Soil Application
 Corn, Lettuce, Peas, Pole Beans, Red and Snap Beans, Tomatoes, Turnips; Cutworms, Subterranean
 per 1,000 sq. ft. is sufficient water to achieve thorough coverage.
 broadcast just before planting. Immediately work into 2-3 inches for Surface Cutworms, 3-4 inches for Subterranean Cutworms
 Symphylans (Garden Centipedes)
 sq. ft. is sufficient water to achieve thorough coverage.
 broadcast just before planting. Immediately work into 4-8 inches
 Crickets: Carrots, Corn, Peas, Pole Beans, Red and Snap Beans Only
 sq. ft. is sufficient water to achieve thorough coverage.
 broadcast just before planting. Apply 1-2 inches before sowing or transplanting. Immediately work into 1-2 inches.
 Maggots: Cabbage Only
 sq. ft. is sufficient water to achieve thorough coverage.
 broadcast just before planting. Immediately work into 2-4 inches before seeding, either in seed bed or before transplanting.

Wireworms: Cabbage, Carrots, Corn, Lettuce, Peas, Snap Beans, and Tomatoes Only.
 6 fl. oz. per 1,000 sq. ft. is sufficient water to achieve thorough coverage.
 Apply broadcast just before planting. Immediately work into soil 4-8 inches.
 *Do not spray Vegetables within the following days of harvest:
 1 day—Peas, Tomatoes, Sweet Corn
 2 days—Cantaloupes, Melons, Watermelons
 3 days—Broccoli, Cauliflower
 7 days—Beans, Cabbage, Cucumbers, Peppers, Squash
 10 days—Carrots, Celery, Cabbages, Endive, Kale, Lettuce, Onions, Parsnips, Radishes, Spinach, Turnips
 35 days—Potatoes
 Nuisance Pests in Outside Areas: Ants*, Bees, Dog Ticks*, Fleas*, Mosquitoes*, Spiders, Springtails (Collembola)*, 8 fl. oz. in 3 gals. of water.
 Thoroughly spray window and door screens, sills, foundations, porches and patio walls and ceilings, entranceways, walks, garbage cans, tree stumps, and into cracks and other places where insects can hide.
 Do not treat plants or soil.
 *Spray a 3 ft. band of soil around the home next to the foundation and spray the foundation of the home to a height of 2-3 feet.
 †See lawn recommendations for other control measures for these pests.

HAZARDS TO HUMANS & DOMESTIC ANIMALS

WARNING

Keep out of reach of children. May be fatal if swallowed. May be absorbed through skin. Do not breathe spray mist. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Avoid contamination of food and feedstuffs. Do not use on household pets or humans. Do not permit children or pets to go onto the sprayed grass until the spray has completely dried. Keep out of reach of domestic animals. **DO NOT USE IN THE HOME.**
 Note to Physicians: Active ingredient is a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote. 2-PAM is also antidotal and may be administered in conjunction with Atropine.

ENVIRONMENTAL HAZARDS

Do not contaminate ornamental fishponds. This product is toxic to fish, snail, crab, birds and other wildlife. Birds and other wildlife in treated areas may be killed. Keep out of any body of water. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources.

This pesticide is highly toxic to bees exposed to direct treatment or 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.

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STORAGE AND DISPOSAL

FLAMMABLE. Do not use; pour or spill near heat or open flame. Do not contaminate water, food or feed by storage or disposal.

PESTICIDE DISPOSAL: Pesticide spray mixture, or rinse water that cannot be used according to label instructions, must be disposed of according to Federal, State or local procedures.

CONTAINER DISPOSAL: 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 and local authorities, by burning. If burned, stay out of smoke.

NOTICE

Before making any 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.

**STEPHENSON
CHEMICALS**

DIRECTIONS FOR USE OF

DIAZINON 25E

WARNING: KEEP OUT OF REACH OF CHILDREN

EPA Reg. No. 4887-179 EPA Est. 4887-GA-1

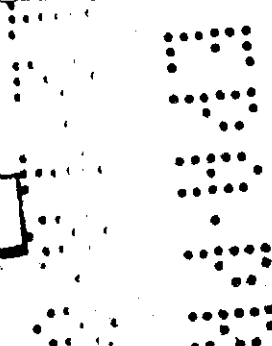
MANUFACTURED BY

**STEPHENSON CHEMICAL COMPANY
COLLEGE PARK, GEORGIA**

*Attached
Leaflet*

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 1607

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Kills many outdoor insects which destroy lawns, roses, flowers, trees, and shrubs or annoy pets and people. (Refer to label directions for specific insects controlled.) Controls Diptera insecticide which provides positive control of many "hard-to-kill" sucking and chewing insects. Works fast and remains effective for an extended period of time.

HOW TO MIX AND APPLY:

Step #1: Determine size of spraying job. For lawns and vegetables, measure the area to be sprayed. For all other applications, apply as a thorough cover spray. Make applications when insects first appear.

Repeat applications as needed or as noted in use rate chart.

Step #2: Use clean sprayer. Carefully measure and mix the amount of Dioxon 25E and water as suggested in the chart below.

Step #3: Spray as directed in rate chart. Use coarse drenching sprays for lawns, soils and other surface applications. Use medium-fine mist sprays for trees and plants. Thorough coverage is important. Flush sprayer with clean water after each use.

Use robots within 6 months after opening.

See chart for complete insect list — see dosage above entry, otherwise indicated.

1 fl. oz. = 2 teaspoons or 2 tablespoons. 8 fl. oz. = 1/2 pt. or 1 cup. 1 fl. oz. in 2 gals. of water = 2 teaspoons in 1 gal. of water or 4 fl. oz. in 24 gals. (Note: Do not use on ferns, poinsettia, hibiscus, papaya, pine, gardenia and orchids since injury may occur.)

LAWNS—South America: Blistergrass, St. Augustine, Zoysia, Fescue, Bahia, St. Augustine; Asia: Armyworms, Bermudagrass, Thrips, Brown Dog Ticks, Chiggers, Crickets, Cutworms, Earwigs, Flies, Fruit Flies, Lawn Billbugs, Lawn Chinch Bugs, Lawn Moths (Red Wobworms), Leafhoppers, Mites (Bermuda, Clover), Sowbugs (Billbugs), Springtails (Collembola).

1 fl. oz. in 2 gals. of water covers 125 sq. ft.
 8 fl. oz. in 24 gals. of water covers 1,000 sq. ft.
 Thoroughly wet down grass a few hours before applying.
 *Brown Dog Ticks: Do not apply to animals. In particular, spray under shrubbery and the grass next to house.
 **Lawn Billbugs: Water the lawn thoroughly immediately after treatment.

†In the North, if Chinch Bugs are the only lawn insect problem, a lower rate of application can be used: 1/2 fl. oz. in 2 gals. of water covers 125 sq. ft.
 Millipedes: 2 fl. oz. in 2 gals. of water covers 125 sq. ft. Thoroughly wet grass a few hours before applying.

Rhizoglyphus: 1 fl. oz. in 2 gals. of water covers 100 sq. ft. Apply when Scale Crawlers first emerge.
 Ants, Digger Wasps: 1 fl. oz. in 2 gals. of water covers 125 sq. ft. Spot spray nest hills and wasp ground nest entrances.

Make the application as soon as the weaps are not active.

Billbugs, White Grubs of Japanese Beetle, European Chafer, Southern Chafer. 1 fl. oz. in 2 gals. of water covers 125 sq. ft.

Water grass thoroughly after application.

*Billbug control: Apply when activity is first observed or when chervel or brown grass is present, indicating damage from the insect.

**Orch control: Make application any time between late July and early October.

Hyperodes Weevil (New York only).

1/2 fl. oz. in 2 gals. of water covers 125 sq. ft. Water grass thoroughly after application. Treat problems once in mid-April and again in mid-May.

TREES & SHRUBS—Arbutus, Aralia, Birch, Bittersweet, Camellia, Douglas Fir, Elm, Hawthorn, Holly, Juniper, Lilac, Laurel, Maple, Mimosa, Oak, Pine, Plum, Poplar, Rhododendron, Sweetgum, Willow; Wet leaves and branches to the dripping point. Try to penetrate dense foliage.
 Aphids, Barkworms, European Pine Shoot Moth, Holly Bud Moth, Leaf Miners (Arbutus, Azalea, Birch, Boxwood, Dicotyledon, Holly, Oak), Leafhoppers, Mosquitoes, Mites (Clover, Cyclamen, European Ad. Privet, Two-spotted Spider), Oblique Root Weevil, Quince Leaf Thaw, Scale Crawler (Colony-cushion, European, Lecanid, Pine Needle, Pit Scale, San Jose, Soft).

1 fl. oz. in 2 gals. of water. Apply as a thorough foliar spray.

Webworms (Juniper, Mimosa), Whiteflies.

1 fl. oz. in 2 gals. of water. Apply as a thorough foliar spray.

†Insects: Webworms Apply as a thorough foliar spray when adults first appear. Make two additional applications at 4-5 week intervals.

Apple-and-Thorn Skeletonizer, Barktick Caterpillar, Oak Leafroller, Oblique-banded Leaf Miner, Pear Leafhopper, Tent Caterpillar, Webworms (Celastrus, Fall).

1 fl. oz. in 2 gals. of water. Apply as a thorough foliar spray.

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BUSHES & FLOWERS—Ariseles, Camellia, Chrysanthemum, Carnations, Gladiol, Lilies, Rhododendron, Beans. Wet the plants to the dripping point. Try to hit underside of leaves and penetrate dense foliage.

Aphids, Euonymus Scale Crawlers, Flea Beetles, Diphtherous Leaf Miners, Leafhoppers, Mealybugs, Mites (Carnation Bud, Carnation Shoot, Cyclamen, European Red, Two-spotted Spider), Thrips, Whiteflies.
 1 fl. oz. in 2 gals. of water. Apply as a thorough foliar spray.

FRUITS & NUTS—Almonds, Filberts, Peaches, Walnuts: Start spraying after blooming. Applications should be made according to infestation or when aphids, mites, and crawler stages of scale insects are first noted. If infestations warrant, repeat applications at 7 to 14-day intervals.

Aphids, Nut Casebearer (peach), Scale Crawlers, Spider Mites.
 1/2 fl. oz. in 2 gals. of water. Apply as a full cover spray. Do not apply after buds open or split.

Apples, Pears: Aphids, Codling Moths, Eye-spotted Bud Moths, Fruit Tree Leaf Rollers, Leafhoppers, Tentiform Leaf Miners (pears), Maggots (apples), Mealybugs, Mites (European Red, Clover [brown], Pacific, Two-spotted Spider), Psylla (pears), Scale Crawlers (Cotton-cushion, San Jose, Pear, etc.).
 1 fl. oz. in 2 gals. of water. Apply as a full cover spray. On apples, slight russeting may occur on some varieties such as Golden Delicious.

Apricots, Peaches, Nectarines: Aphids, Apricot Mealybug (apricot), Mites (Clover [brown], Two-spotted), Scale Crawlers (Olive, San Jose).
 1 fl. oz. in 2 gals. of water. Apply as a full cover spray.

Cherries: Black Cherry Aphid, Cherry Fruit Fly, Cherry Fruitworm (Maggot), Fruit Tree Leaf Roller, Mites (Cherry Bud), Scale Crawlers (San Jose).
 1 fl. oz. in 2 gals. of water. Apply as a full cover spray.

Figs: Dried Fruit Beetle, Vinegar Film (Drosophila spp.)
 1 fl. oz. in 2 gals. of water. Apply as a full cover spray.

Plums, Prunes: Aphids (Leaf Curl, Plum, Mealy Plum, Thistle), Mites (Clover [brown], European Red).
 1 fl. oz. in 2 gals. of water. Apply as a full cover spray.

Raspberries (blackberries, boysenberries, dewberries, loganberries, raspberries): Aphids, Leafhoppers, Raspberry Sawfly, Raspberry Fruitworm, Two-spotted Mite, Thrips.
 1 fl. oz. in 2 gals. of water. Apply as a full cover spray.

Strawberries: Aphids, Strawberry Maggot, Cranberry Fruitworm, Cherry Fruitworm, Cherry Fruitworm (Maggot), Two-spotted Mite, Thrips.
 1 fl. oz. in 2 gals. of water. Apply as a full cover spray.

Strawberries: Aphids, Two-spotted Mite, Strawberry Leaf Roller.
 1 fl. oz. in 2 gals. of water. Apply as a full cover spray.

Grapes: Aphids, Grape Berry Moths, Grape Leafhoppers, Leafhoppers, Scale Crawlers.
 1 fl. oz. in 2 gals. of water. Apply as a full cover spray.

Grapefruit, Lemons, Oranges: Citrus Thrips, Scale Crawlers (Citrus Sooty, Cotton-cushion).
 1 fl. oz. in 2 gals. of water. Apply as a full cover spray.

2 fl. oz. in 2 gals. of water. Apply as a full cover spray after blooming and again in the summer. Thorough spray coverage of tree trunk, limbs and twigs is essential. Do not spray fruit within the following days of harvest:

5 days—Strawberries, Pines.
7 days—Blackberries, Raspberries.
10 days—Apricots, Cherries, Grapes, Nectarines, Pears, Prunes.
14 days—Apples, Pears.
21 days—Grapefruit, Lemons, Oranges, Peaches.

VEGETABLES—Foliar Application
 Thoroughly spray all plant parts. Generally, applications at 7 to 14-day intervals may be required. Do not treat vines to harvest.

Beans, Peas: Aphids, Cucumber Beetles, Groundsweeper, Leafhoppers, Mexican Bean Beetle, Mites.
 1 fl. oz. in 2 gals. of water covers approximately 1,000 sq. ft. of garden.

Cabbages, Cauliflowers, Collards, Broccoli, Kale, Radishes, Turnips: Aphids, Diamondback Moths, Flea Beetles, Imported Cabbage Worms, Diphtherous Leaf Miners.
 1 fl. oz. in 2 gals. of water covers approximately 1,000 sq. ft. of garden.

Carrots, Celery, Endives, Lettuce, Parsnips, Spinach: Aphids, Flea Beetles, Leafhoppers, Diphtherous Leaf Miners, Mites.
 1 fl. oz. in 2 gals. of water covers approximately 1,000 sq. ft. of garden.

Cantaloupes, Cucumbers, Watermelons, Squash, Watermelons: Aphids, Thrips, Mites.
 1 fl. oz. in 2 gals. of water covers approximately 1,000 sq. ft. of garden.

Peppers, Potatoes, Tomatoes: Aphids, Colorado Potato Beetle, Fall Armyworms (tomato), Flea Beetles, Leafhoppers, Southern Armyworms (potato and tomato), Vinegar Film (Drosophila spp. [tomato]).

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