

JAN 21 1986

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Ms. C. F. Brinkley
Ciba-Geigy Corporation
P.O. Box 18300
Greensboro, NC 27419

Dear Ms. Brinkley:

Subject: Label Revision
D.Z.N. 2.0 MEC[™] Insecticide
EPA Registration No. 100-649
Your Submission Dated November 6, 1985

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable, provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

a. ~~Delete the statement, "Only for sale to, use and storage by Pest Control Operators" and add the statement, "Recommended For Commercial/Industrial Use Only."~~
The Residue Disposal statement must be revised in accordance with EPA Notice 83-3. Since this product is in Category I based on its toxicity to humans, the Residue Disposal statement beginning "Residues on surfaces are readily removed, proper disposal xxxxx"

b. Add the following statement to the Environmental Hazard Statement:

Do Not Apply Directly To Water

c. Modify the statement, "and other household pests" to read "and other household pests listed on side panel of label."

85886:Heyward:LR-1:KENCO:1/9/86:1/21/86:dej:VO
REVISION: 85891:Heyward:LR-1:KENCO:1/14/86:1/24/86:dej:VO

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|--------|--|--|--|--|--|--|--|--|
| SYMBOL | | | | | | | | |
| NAME | | | | | | | | |
| | | | | | | | | |

2. Submit five (5) copies of your final printed labeling incorporating the above revisions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

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

Enclosure

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JAN 21 1986

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

100-649

CIBA-GEIGY

D.z.n® 2.0 MEC™

Only for sale to, use and storage by pest control operators.

Insecticide

For control of cockroaches, ants, silverfish, brown dog ticks,
fleas, pantry and other household pests.

Active Ingredient:

| | |
|---|--------|
| Diazinon: O,O-diethyl O-(2-isopropyl-6-methyl- 4-pyrimidinyl) phosphorothioate | 23.8% |
| Inert Ingredients: | 76.2% |
| Total: | 100.0% |

Contains 2 lbs. of diazinon per gallon.
Contains xylene range aromatic solvent.

_____ Gallons
U. S. Standard Measure

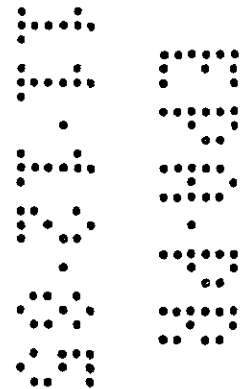
Keep Out of Reach of Children

DANGER

See additional precautionary statements
on back panel.

Control No. _____

See directions for use on panel at right.



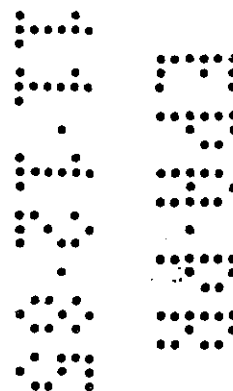
DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

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 2.0 MEC is a microemulsion concentrate containing 2 lbs. of diazinon per gallon.

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

Note: Care should be taken to avoid spotting of walls, or wall coverings, and fabrics. When used in dwellings, care should be taken to avoid deposits which could be frequently contacted by children. Remove or cover fish bowls and remove pets before spraying. Do not allow children or pets in treated areas until surfaces are dry. Do not contaminate food, food containers, or cooking utensils. Avoid excessive application to carpets. Do not use on plants or pets. DO NOT use this product in conduits, motor housings or electrical switch boxes.

Directions for Use

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

Dilute D.z.n 2.0 MEC with water to make a 1/2% or 1% spray and apply as indicated below:

| Gals of Finished Spray | Amount D.z.n 2.0 MEC to use for | |
|------------------------|---------------------------------|----------------------|
| | 1/2% Spray | 1% Spray |
| 1 | 2 1/2 fl. oz.* | 5 fl. oz. |
| 2 | 5 fl. oz. | 10 fl. oz. |
| 3 | 7 1/2 fl. oz. | 15 fl. oz. |
| 10 | 25 fl. oz. | 50 fl. oz. |
| 25 | 64 fl. oz. (2 qt.) | 128 fl. oz. (1 gal.) |

*5 tablespoons = 2 1/2 fl. oz.

Household Insects

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.

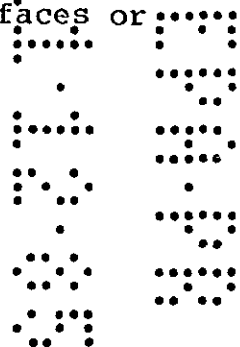
Pantry Pests--Exposed Stages (Sawtoothed grain beetle, flour beetle, rice weevil, cigarette beetle, drugstore beetle, Indian meal moth): Apply a 1/2% spray to shelves and cupboards where food containers suspected of being infested are stored. Remove all food and shelving paper before spraying. Do not 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.

Brown dog ticks, Fleas*: Make thorough application of a 1/2%-1% 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 product. Avoid excessive wetting of floor coverings, rugs or unfinished materials, as damage may occur. Do not apply directly to upholstery. Do not use as an overall surface spray.

*Controls adult fleas on areas treated.

Food and Feed Handling Establishments (including places other than private residences in which exposed food or feed is held, processed, prepared or served.)

Apply D.z.n 2.0 MEC as either a crack and crevice or spot treatment as directed below. 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/Feed Areas (Application limited to Crack and Crevice and Spot Treatments Only)

Food/Feed areas include 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 are considered a food area) and includes facilities where prepared foods are served, such as dining rooms, but excluding areas where foods may be prepared or held.

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% in small amounts directly into such spaces as expansion joints, in points between different elements of construction, between equipment and floors, wall boards, baseboards or openings leading to voids and hollow spaces in walls, hollow equipment legs and bases where cockroaches (waterbugs), ants, spiders, and silverfish hide.

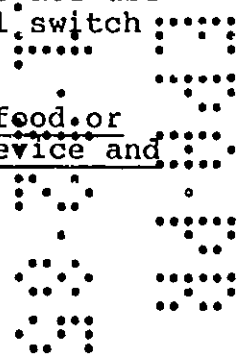
Spot Treatment - As a spot treatment, apply 1/2-1% as a coarse, low pressure fan spray to selective floor surfaces, areas around water pipes, beneath cabinets, refrigerators, sinks, stoves, storage areas, baseboards, under elements of constructions and similar areas where cockroaches, ants, spiders, and silverfish hide.

Limit spot treatments to floor surfaces where pests have been seen or where they are suspected of hiding. Limit spot treatments to an area no larger than 20 percent of the floor surface. Any individual spot treatment shall not exceed two square feet.

Avoid treating surfaces likely to be contacted by food. (Do not apply when facility is in operation or foods are exposed).

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.

Applications of this product in the food/feed areas of food or feed handling establishments other than as crack and crevice and spot treatments are not permitted.



Nonfood/Feed Areas

Nonfood/Feed 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).

In nonfood/feed areas, apply 1/2-1% as a spot treatment using a coarse, low pressure for spray to baseboard areas, around water pipes, surfaces behind and beneath sinks, lockers, tables, pallets, and similar areas where insects hide or through which they may enter.

Foundation Band Treatment

To control ants, boxelder bugs, brown dog ticks, chiggers, clover mites, cockroaches, crickets, earwigs, fleas, flies, millipedes, sowbugs, spiders, and collembola (springtails) which are commonly found near the house and may enter the house, make a thorough application of a 1/2 or 1% spray. Apply to a 5-ft. band of soil around the house, including the house foundation wall to a height of 2-3 ft. Repeat application as necessary.

Note: Do not spray desirable plants or shrubbery because injury may occur.

Storage and Disposal

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

Pesticide: If excess pesticide, spray mixture, or rinsate cannot be disposed of according to label directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional office for guidance. Because pesticide wastes are acutely hazardous, improper disposal is a violation of Federal Law.

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

(Plastic) - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or burn if allowed by state and local authorities. Stay out of smoke if burning container.

In the event of a major spill or accident, contact CIBA-GEIGY for assistance at (919) 292-7100 day or night.

Precautionary Statements

Hazards to Humans and Domestic Animals

DANGER

Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through skin. Wear goggles or face shield when handling and mixing. Do not get in eyes or on skin or clothing. Avoid breathing of vapors or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking or smoking. Remove contaminated clothing and wash before reuse.

Animal studies have indicated the product to be contact allergenic. Hypersensitive individuals should avoid exposure. Avoid contamination of food and feeds. Do not use on humans, household pets or livestock. Keep away from children and domestic animals.

Statement of Practical Treatment

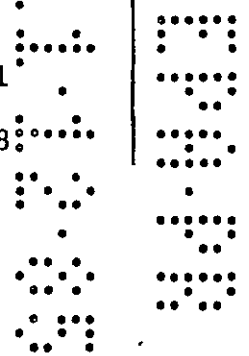
If in eyes: Immediately flush eyes with plenty of water. Get medical attention promptly.

If swallowed: Contact a physician or Poison Control Center. DO NOT INDUCE VOMITING as vomiting may present aspiration hazard. Drink 1 or 2 glasses of water and get medical help. If no other treatment is available, induce vomiting only under medical supervision. Do not induce vomiting or give anything by mouth to an unconscious person.

If on skin: Wash with plenty of soap and water. If irritation develops or persists, get medical attention.

If inhaled: Move to fresh air and apply artificial respiration if indicated.

Continued ... 8



Note to Physician: This product contains a cholinesterase inhibitor. Gastric lavage is indicated. Do not induce emesis as solvent presents aspiration hazard. Atropine sulfate and 2-PAM are specific antidotes only if signs of cholinesterase inhibitions are present. After lavage, instill and leave 30 gm of activated charcoal in 3-4 oz. of water in the stomach.

Environmental Hazards

The product is toxic to fish and wildlife. Do not contaminate water by cleaning of equipment or disposal of wastes.

Physical or Chemical Hazards

Do not use or store near heat or open flame.

D·z·n® trademark of CIBA-GEIGY for diazinon
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EPA Reg. No. 100-649
EPA Est. 100-AL-1

Agricultural Division
CIBA-GEIGY Corporation
Greensboro, NC 27419
CGA 1L120C

September 8, 1983
(Initial Draft)
April 3, 1984
PR Notice 83-3 &
EPA Comments
July 12, 1984 -
corrected storage
and disposal, added
Physical & Chem.
hazards, relocated
flea control claim
and spot treatment
wordage per EPA request.
Accepted Sept. 4, 1984,
with comments July 31,
1985. Revised accepted
label added brown dog to
ticks, deleted heading
"Food/Feed and Nonfood/
Feed Areas" per EPA
request.
Revised 10/22/85 -- added
DFU foundation spray.