

APR - 9 1990

Ms. Carolyn Bussey,
Ciba-Geigy Corporation
P.O. Box 18300
Greensboro, NC 27419

Dear Ms. Bussey:

SUBJECT: Amendments - Revisions per Registration Standard;
Specify commercial/institutional sites other than
food/feed areas; and Reformat Directions For Use
D.z'n 2.0 M.E.C.
EPA Reg. No. 100-649
Your submission dated November 17, 1989

The label referred to above, submitted in connection with a registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable provided the following revisions are made prior to release for shipment under the amended label:

- 1) In the first paragraph of the "General Information" section, add as the fifth sentence: "Read and follow the "Precautions" listed below when applying this product in any of these indoor areas.". In the second paragraph of this same section, revise "silver fish" to "silverfish".
- 2) Revise the first two items of the Indoor Use "Precautions" to read as follows:
 - 1) Do not use this product indoors as an overall surface spray or as a space spray; take care not to introduce this product into the air during application. 2) Use only in well-ventilated areas.
- 3) There are two item "8"s in the "Precautions". Please renumber correctly.
- 4) Revise the second item "8" (actually, item "9") to read as follows:

In institutions (including, but not limited to, office buildings, museums, libraries, and sports facilities) do not apply this product when occupants are present in the immediate area.

[Note deletion of unspecified "etc." from institutional sites.]

- 5) Revise item 12 (actually item 13) of the "Precautions" to read: "Do not apply directly to conduits, motor housings, or electrical switch boxes."
- 6) Because you have specified certain residential sites as well as adding commercial/institutional sites to clarify the meaning of the previously identified "Household Insects", revise the heading "Indoor Use (Except Food and Feed Handling Establishments)" to read as follows:

Indoor Use (Except Food and Feed Handling Establishments) - Households, Apartments, and non-food areas of Offices, Schools, Sports Facilities, Hospitals, Libraries, and Museums (see "Indoor Use - Food and Feed Handling Establishments" for special directions when applying this product in food handling or serving areas in non-residential buildings).

- 7) On page 6, revise the heading "Spot Treatment..." to "Limited Spot Treatment".
- 8) Since the only outdoor use is soil treatment of a 5 foot band around the perimeter of the house plus a foundation wall spray of 2-3 feet in height, revise the first paragraph of the Environmental Hazards text to read as follows:

This pesticide is highly toxic to birds, fish, and other wildlife. Birds feeding or drinking on treated areas may be killed. Keep out of lakes, streams, ponds, tidal marshes, and estuaries. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Do not contaminate water by disposal of pesticide, cleaning of equipment, or disposal of equipment washwaters.

This pesticide is highly toxic to bees exposed to direct treatment or residues on blooming plants where they feed. Do not allow this pesticide to drift to blooming plants if bees are visiting the treatment area. Do not apply this product to or allow it to drift to food crops or any desirable vegetation at any time.

A stamped copy of the label is enclosed for your records. Submit five copies of the revised finished label prior to release for shipment under the amended label.

Sincerely yours,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (H7504C)

CIBA-GEIGY

D·z·n® 2.0 M.E.C.®

Recommended for commercial/industrial use only.

Insecticide

For control of household pests and pests in feed and food handling establishments as specified in label directions.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

APR - 9 1990

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

100-64,

Active Ingredient:

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

*Contains xylene range aromatic solvent.

Contains 2 lbs. of diazinon per gallon.

_____ Gallons
U. S. Standard Measure

KEEP OUT OF REACH OF CHILDREN

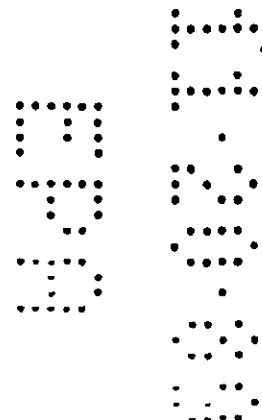
DANGER

See additional precautionary statements at end of label.

EPA Reg. No. 100-649

EPA Est. 100-AL-1

Control No. 53860



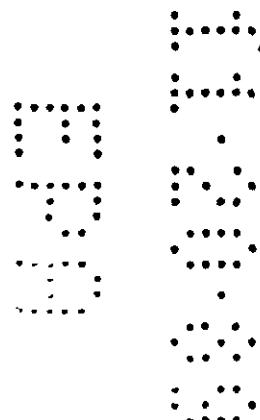
DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product. If terms are not acceptable, return the unopened product container at once.

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.



DIRECTIONS FOR USE

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

General Information

D·z·n 2.0 M.E.C. is a microemulsion concentrate. This product is intended for use by pest control operators. Apply the product after dilution with water for the control of those pests specified on this label. This product may be used indoors in households, apartments, and other structures including schools, hospitals, office buildings, museums, libraries, sports facilities, stores, warehouses, and food and feed handling establishments (except USDA Meat and Poultry Plants). In food and feed areas of food/feed handling establishments, D·z·n 2.0 MEC may be applied only as a crack and crevice treatment or limited spot treatment. See the specific directions for use for treatment of these areas.

Indoors this product controls ants, brown dog ticks, carpet beetles, cockroaches, adult fleas, scorpions, silver fish and spiders.

D·z·n 2.0 M.E.C. may also be used outdoors as a house foundation treatment.

Note: Indoors, when quicker knockdown or flushing action is desirable, pyrethrins may be added to the D·z·n 2.0 M.E.C. finished spray mixture. Normally pyrethrins are used as a 0.25% concentration. Consult the EPA-registered label for the pyrethrin product used to determine the correct amount needed. Observe all use and handling precautions on the pyrethrin label.

Mixing Instructions

Gals of Finished Spray	Amount D·z·n 2.0 M.E.C. to use for	
	<u>1/2% Spray</u>	<u>1% Spray</u>
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.

INDOOR USE

Indocors D·z·n 2.0 MEC controls:

ants	adult fleas
brown dog ticks	scorpions
carpet beetles	spiders
cockroaches (waterbugs)	

In households and in food and feed areas of food and feed handling establishments, this product also aids in the control of the following exposed stages of pantry pests which come into contact with treated surfaces:

drugstore beetle	Indian meal moth
cigarette beetle	rice weevil
flour beetle	sawtooth grain beetle

Precautions: 1) Do not use this product indoors as an overall surface spray or as a space spray. 2) Take care not to introduce this product into the air during application; use only in well-ventilated areas. 3) Do not apply where children are likely to frequently contact treated surfaces. 4) Remove or cover fish bowls and remove pets before application. 5) Do not treat pets with this product. 6) Do not allow children or pets in treated areas until spray has dried. 7) Do not apply this product in patient rooms or in any rooms while occupied by the elderly or infirm. 8) Do not apply to classrooms when in use. 8) Do not apply to institutions (including, but not limited to office buildings, museums, libraries, sports facilities, etc.) in the immediate area when occupants are present. 9) Avoid excessive wetting of carpets, floor coverings or unfinished materials because damage may occur. 11) Care should be taken to avoid spotting of walls, wall coverings, and fabrics. 12) Do not apply directly to housing or electrical switch boxes. 14) Do not apply to areas, surfaces, or utensils which will contact food or feed. 15) Exposed food should be covered or removed during application. 16) All food processing surfaces and utensils should be covered during application or thoroughly washed with soap and water before use. 17) DO NOT USE THIS PRODUCT IN USDA MEAT AND POULTRY PLANTS. 18) Do not treat plants or pets with this product. 19) If clothing is sprayed during application, remove clothing immediately after spraying, wash affected body areas thoroughly with soap and water, and launder clothing before wearing again.

Indoor Use (Except Food and Feed Handling Establishments)

Cockroaches (Waterbugs), Ants, Silverfish: Make spot applications of 1/2% coarse spray to baseboards, areas around water pipes, cracks and crevices, surfaces behind and beneath cabinets, refrigerators, sinks, stoves, and similar areas where these insects hide.

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For heavy cockroach infestations, make the first application at a strength of 1%, followed by monthly applications of 1/2%-1% spray.

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, because damage may occur. Do not apply directly to upholstery. Do not use as an overall surface spray.

*Controls adult fleas on areas treated.

Carpet beetles: Apply a 1/2% spray in spot applications along baseboard and edges of carpeting, under carpeting, 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.

Indoor Use - Food and Feed Handling Establishments

Places other than private residences in which food or feed is held, processed, prepared, or served (includes restaurants, canneries, bakeries, food processing plants, mills, dairies, etc.). D·z·n 2.0 MEC may be used in the food/feed areas and the non-food/non-feed areas of these establishments. Apply D·z·n diazinon 2.0 MEC either as a spot or crack and crevice treatment as directed below.

Food/Feed Areas of Food/Feed Handling Establishments

Include areas for receiving, serving, storage (dry, cold, frozen, or raw), packaging (canning, bottling, and grinding); enclosed processing systems (mills, dairies, and systems for processing edible oils and syrups).

APPLICATION OF THIS PRODUCT IN THE FOOD/FEED AREAS OF FOOD HANDLING ESTABLISHMENTS, OTHER THAN AS A CRACK AND CREVICE TREATMENT OR LIMITED SPOT TREATMENT IS NOT PERMITTED.

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Spot Treatment:

Apply this product diluted to 1/2-1% as a coarse, low-pressure fan spray around water pipes and door frames, to surfaces beneath cabinets, refrigerators, sinks, stoves, storage areas, and similar floor areas. Limited spot treatments to floor surfaces where pests have been seen or are suspected of hiding. Limited individual spot treatment to an area no larger than 20% of the surface area. Any individual spot treatment must not exceed 2 square feet.

Crack and Crevice Treatment:

Apply this product diluted to 1/2-1% with equipment capable of delivering a pin stream of insecticide. Apply in small amounts directly into cracks and crevices in such areas as expansion joints, spaces between equipment and the floor, openings leading to voids, and hollow spaces in walls and equipment legs and bases.

Non-Food/Non-Feed Areas of Food/Feed Handling Establishments

Include garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, mop closets and storage areas (after canning or bottling).

Spot Treatment:

Apply this product diluted to a 1/2-1% spray. Apply as a coarse low pressure fan spray as a spot treatment along baseboards to areas around water pipes, beneath cabinets, to surfaces behind and beneath sinks, lockers and pallets, and to storage areas where cockroaches, ants, silverfish and spiders hide.

OUTDOOR USE

House 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.

Precautions: 1) Do not spray lawns, desirable plants, or shrubbery because plant injury may occur. 2) Wear a long-sleeved shirt and long-legged pants when spraying. Spray with the wind to your back. Do not spray on windy days. If clothing becomes wet from spray during use, wash affected body areas thoroughly with soap and water and launder clothing before wearing again.

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Storage and Disposal

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

Pesticide: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If excess pesticide, spray mixture, or rinsate cannot be disposed of by use 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.

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 from burning container.

For minor spills, leaks, etc., follow all precautions indicated on this label, and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup and disposal of wastes.

In the event of a major spill or accident, contact CIBA-GEIGY for assistance at 1-800-888-8372 day or night.

Precautionary Statements

Hazards to Humans and Domestic Animals

DANGER

Corrosive. Causes irreversible eye damage. Do not get in eyes or on skin or clothing. Wear goggles or safety glasses. Harmful if swallowed, inhaled or absorbed through skin. 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.

May cause contact sensitization following repeated contact with skin of susceptible individuals. Avoid repeated contact with skin. If sensitization reactions result, contact a physician. Avoid contamination of food and feeds. Do not use on humans, household pets or livestock. Keep away from children and domestic animals. Remove pets from area and cover fish bowls before spraying. Keep children and pets off treated areas until areas are dry.

Continued

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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 if person is unconscious or convulsing.

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.

Note to Physician: This product is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal but only in conjunction with atropine. Do not induce emesis as xylene range aromatic solvent presents an aspiration hazard. Gastric lavage is indicated if product was taken internally. After lavage, instill and leave 30 gm of activated charcoal in 3-4 oz. of water in the stomach.

Environmental Hazards

The product is highly toxic to birds, fish and wildlife, including waterfowl. Do not apply directly to water. Shrimp and crab may be killed at rates recommended on this label. Do not apply where fish, shrimp, or crab and other aquatic life are important resources.

This product is highly toxic to bees exposed to direct treatment or to residues on blooming plants where they feed. Do not allow this pesticide to drift to blooming weeds, if bees are visiting the treatment area. Do not apply this product or allow it to drift to food crops or any desirable vegetation at any time.

Physical or Chemical Hazards

Do not use or store near heat or open flame.

D.z.n® trademark of CIBA-GEIGY for diazinon
M.E.C.® trademark of CIBA-GEIGY

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Agricultural Division
CIBA-GEIGY Corporation
Greensboro, NC 27419

CGA 1L120H

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. Revised
pesticide disposal per
EPA. Added Statement to
Env. Hazard Section.

CGA 1L120C 026

Revised 9/3/86 - changed
only for sale statement.

Revised 4/87 - "For control
of ... listed on side
panel of label."

Revised 8/28/87 - revised to
add pyrethrin tank mix.

Accepted 9/9/87.

Accepted 12/6/88 - Data
call-in changes - added
"only" to recommended for
statement, revised
precautionary statements,
note to physician.

Revised 11/8/89 - Reg.
Std. Changes

Revised 11/15/89 - added
carpet beetles, spiders,
scorpions, and pantry pests
back - omitted from previous
(11/8/89) version in error.

(LABELS-D.4 - DZN2MEC/F1)

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