

426142

Ms. Carolyn Bussey  
Ciba-Geigy Corporation  
P.O. Box 18300  
Greensboro, NC 27419-8300

MAY 14 1993

Dear Ms. Bussey:

Subject: Amendment - Voluntary changes intended  
to reduce risks to birds  
D.z.n diazinon MG 87%  
EPA Reg. No. 100-524  
Your submission dated September 8, 1992

The amendment 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 labeling:

- 1) Under the heading "on the following terrestrial food crops", revise the entry "Chinese cabbage (bok choy)" to "Chinese cabbage (bok choy and nappa)".
- 2) Under the heading "on the following aquatic food crops", revise the entry "watercress" to "watercress (Hawaii only)".
- 3) Under the heading "on the following animals", add a comma between "cattle (non-lactating)" and "sheep".
- 4) In the new paragraph following the use sites, i.e. "This product may be used to formulate end-use granular products...", revise the first sentence to read "... to reduce risks to birds...", rather than "... to insure safety to birds...".
- 5) In the Turf section, revise the heading for the avian precautions to read: "SPECIAL PRECAUTIONS TO REDUCE RISKS TO BIRDS". In this same section revise the first two sentences to read as follows:

"Birds, especially waterfowl (ducks or geese), feeding or drinking on treated areas may be killed. To reduce risks to birds:".

- 6) It would be beneficial if you could show the heading and text of the SPECIAL PRECAUTIONS TO REDUCE RISKS TO BIRDS within an outline box (as it appears on your diazinon end-use granular products) for both the lawns and the vegetable and field crops sections. This would not only provide appropriate highlighting of these precautions, but would also aid a formulator who might think that items 2 through 4 were part of the precautionary text rather than special directions to formulators.
- 7) Item "2" of the special precautions for use on lawns would be clearer if you said "Granular formulations with greater than 5% active ingredient may not be use on turf."
- 8) In the Vegetables and Field Crops section, add the heading for the avian precautions, "SPECIAL PRECAUTIONS TO REDUCE RISKS TO BIRDS". In this same section, revise the second sentence to read: "To reduce risks to birds:".
- 9) Under the heading "Chemical and Physical Properties", add the closing parenthesis mark after the end of the technical bulletin name, i.e., after "Insecticide".
- 10) In the second sentence of the Pesticide section of the Storage and Disposal directions, capitalize the "F" of "Federal".
- 11) Revise the first two sentences of the Environmental Hazards to read: "This pesticide is highly toxic to fish and wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an NPDES permit."

A stamped copy of the label is enclosed for your records. Please submit five copies of the revised amended label prior to release for shipment under the amended label. Please note that the Agency's acceptance of this label at this time does not preclude future label revision requirements or other regulatory actions by the U. S. Environmental Protection Agency in regards to avian risk reduction.

Sincerely,

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

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CIBA-GEIGY  
D·z·n<sup>®</sup> Diazinon MG 87%

An Insecticide for Formulating Use Only Into Registered End-Use  
Insecticides

Active Ingredient:

Diazinon: O,O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate .....	87.0%
Inert Ingredients:	13.0%
<b>Total:</b>	<b>100.00%</b>

EPA Est. 100-AL-1  
EPA Reg. No. 100-524

Control No. 07070

55 Gallons  
U.S. Standard Measure

KEEP OUT OF REACH OF CHILDREN

WARNING

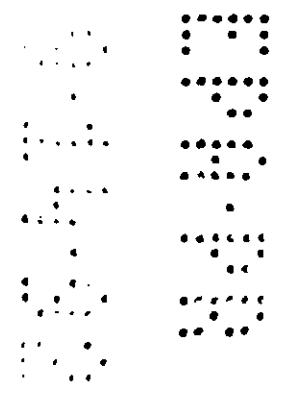
See additional precautionary statements at end of label.

See directions for use on panel at right.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

MAY 14 1993

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
100-524



DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire Directions for Use and 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.

No end use of this product other than formulation is intended or implied by the above Conditions of Sale and Warranty.

DIRECTIONS FOR USE

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

Formulators using this product are responsible for obtaining EPA registration of their formulated products.

This pesticide may be used only for the formulation of end-use insecticides for use:

- on the following terrestrial food crops:
- almonds, apples,, apricots, beans (succulent only) (including seed treatment), beets, blackberries, blueberries, boysenberries,
- broccoli, Brussels sprouts, cabbage, Chinese cabbage (bok choy), cantaloupe, carrots, Casaba melons, cauliflower, celery, cherries, cole crops, collards, red chicory (radicchio), corn (including seed treatment), cranberries, Crenshaw melons, cucumbers, dewberries,



endive (escarole), eggplant, ginseng, grapes, honeydew melons, hops, kale, lettuce, lima beans (succulent only), loganberries, melons, muskmelons, mustard greens, Chinese mustard, nectarines, onions, parsley, parsnips, peaches, pears, peas (succulent only) (including seed treatment), peppers, Persian melons, pineapples, plums, potatoes, prunes, radishes, Chinese radishes, raspberries, rutabagas, snap beans, spinach, squash, strawberries, sugar beets, sweet potatoes, Swiss chard, tomatoes, turnips (including tops), walnuts, watermelons and zucchini.

on the following aquatic food crops:  
watercress

in terrestrial non-crop areas including:  
Uncultivated non-agricultural areas (including barrier strips, ditch banks, noncrop areas, roadsides and wastelands).

inside: mushroom houses

on:  
ornamentals (including greenhouse) and lawns (excluding golf courses and sod farms)

inside and outside:  
domestic dwellings, commercial buildings, food/feed handling establishments, and animal quarters (excluding dairy barns, milk rooms, and poultry houses),

and on the following animals:  
cattle (non-lactating) sheep, cats, and dogs.

This product may be used to formulate end-use granular products for use on vegetables, field crops, and turf only if the labeling for such end-use products include certain directions and precautions to insure safety to birds. This product may not be used to formulate end-use granular formulations of diazinon unless the labeling for the end-use product includes the following restrictions and directions:

Turf

1. The following precautions must appear in the directions for use:

SPECIAL PRECAUTIONS TO AVOID HAZARD TO BIRDS

Birds, especially waterfowl (ducks, geese) feeding or drinking on treated areas may be killed. To avoid hazard to birds:

- a) Do not treat areas larger than 15,000 sq. ft.
- b) Because of the migratory habits of certain waterfowl,

do not apply in Nassau County, New York between November 1 and May 20.

- c) Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds, especially waterfowl.
- d) Avoid overlapping treated areas.
- e) Follow all watering instructions included within the directions for use, however stop watering before puddling occurs.
- f) Do not apply this product to sites occupied by waterfowl or to sites within 75 ft. of any body of water that may attract waterfowl, such as lakes or ponds.
- g) If necessary to repeat application, wait a minimum of 3 weeks between applications. Make no more than 4 applications per year.

2) Formulations with greater than 5% active ingredient may not be used on turf.

3) The maximum use rate on turf is 4.3 lbs. a.i./Acre.

4) For foundation band treatments around house foundations the band must be no wider than 2 ft and the use rate no greater than 4.3 lbs. a.i./A.

Vegetables and Field Crops

1. The following precautions must appear in the directions for use:

Birds feeding on treated areas may be killed. To avoid toxicity to birds:

- a) Thoroughly incorporate this product into the soil during or immediately after application. Refer to the soil incorporation depth specified in the directions for use.
- b) Cover or incorporate spilled granules.

2. Aerial and unincorporated application of granules is not permitted.

CIBA-GEIGY recommends this product only for the uses cited above and makes no warranty, expressed or implied, with respect to experimental uses and disclaims all liability for damages attributable to such experimental uses.

Chemical and Physical Properties

Refer to: "Technical Bulletin - Diazinon Insecticide. Contact your CIBA-GEIGY Specialty Sales Representative or the CIBA-GEIGY Communications Department in Greensboro, North Carolina for a copy of this document.

Storage and Disposal

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

Pesticide: Pesticide wastes are toxic. Improper disposal is a violation of federal law. If pesticide or equipment rinsates cannot be used according to formulation instructions or chemically reprocessed, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Container: Triple rinse or equivalent. Then offer for return to manufacturer, or recycle or recondition or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

Note: 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

WARNING

May be fatal if swallowed. May be absorbed through the skin. Do not breathe vapors or spray mist. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling and before smoking or eating. Avoid contamination of food and feed.

Statement of Practical Treatment

If swallowed: Call a physician or Poison Control Center immediately. Drink a large quantity of water and induce vomiting by touching back of throat with finger. Continue until vomit fluid is clear. Do not induce vomiting or give anything by mouth if person is unconscious or convulsing.

If on skin: Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. Contact a physician or Poison Control Center if symptoms of poisoning develop.

If in eyes: Immediately flush eyes with plenty of water, and get

medical attention.

If inhaled: Move to fresh air. If not breathing, apply artificial respiration, and get medical attention immediately. Do not apply mouth-to-mouth resuscitation if exposure was by swallowing.

Note to Physician: Diazinon is a cholinesterase inhibitor. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine.

Environmental Hazards

This product is highly toxic to fish and wildlife. Do not discharge effluent into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product into sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or your Regional Office of the Environmental Protection Agency.

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Agricultural Division  
CIBA-GEIGY Corporation  
Greensboro, North Carolina 27419

CGA 1L116

Accepted December 27, 1982 added list of supported end use crops/sites per 1987 Data Call-In. Reformatted Precautionary Statements, i.e.

If swallowed... Modified list of

supported crops per EPA letter of 11/17/88, modified Precautionary Statements slightly, added a reference to Tech. Bulletin statement, revised ingredient statement back to currently accepted formula.

Accepted 10/20/89 - Reg. Std. changes and deleted bananas

Revised 1/30/90 - application to change product name

May 10, 1990 - EPA accepted name change, deleted reference to greenhouse uses, aerial use



CGA 1L116 H050

CGA 1L116 J051 - DOT language  
change

Revised 9/4/92 added avian  
restrictions which must be  
included on end-use granular  
product labels, and language in  
compliance with PR Notice 91-8.

