

19

100-469

504155  
1/24

APR 19 1996

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

Dear Ms. Bussey:

Subject: Amendment- Add crop Rutabagas  
D.z.n diazinon 14G  
EPA Registration Number 100-469  
Your submission dated May 26, 1995

The amendment referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(a), is acceptable provided that you:

1. Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
  - a. For consistency with your other revised diazinon labels, for all vegetable crops where the pest Mole Crickets appears, revise the TIMING/SPECIAL DIRECTIONS to read "One to two days before planting, broadcast and immediately incorporate into soil."
  - b. For Broccoli and Brussels Sprouts, for the pest Root Maggots you may elect to delete "or transplanting" from the TIMING/SPECIAL DIRECTIONS (as it appears for all other crops with this pest entry) so that for all crops it will read "Broadcast and incorporate into soil just before planting."

2/24

- c. For the crop **Sweet Corn**, for consistency with the rest of this label and other diazinon agricultural labels, revise the **TIMING/SPECIAL DIRECTIONS** for Seed Corn Maggots to read "Broadcast just before planting and incorporate into the top 2 inches of soil."
  
- 3. Submit three (3) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

Sincerely,

George T. LaRocca  
Product Manager (13)  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

2/24

DRAFT/CROP

RESTRICTED USE PESTICIDE  
 Due to Avian and Aquatic Toxicity

For retail sale to and use only by Certified  
 Applicators or persons under their direct  
 supervision and only for those uses covered by  
 the Certified Applicator's Certification.

D·z·n® diazinon 14G

Granular Insecticide

For control of certain soil insects including wireworms, cutworms, and other crop pests.

50 Pounds  
Net Weight

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

APR 19 1996

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
100-469

Active Ingredient:

Diazinon: O,O-Diethyl O-(2-isopropyl-6-	
<u>methyl-4-pyrimidinyl) phosphorothioate</u>	<u>14.3%</u>
<u>Inert Ingredients:</u>	<u>85.7%</u>
Total:	100.0%

EPA Reg. No. 100-469  
EPA Est. 602-MO-1

D·z·n diazinon 14G is a  
granular insecticide

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use on side of bag.

Product ID. 06850

50 Pounds  
Net Weight

Ciba

4/27

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.

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Conditions of Sale and Warranty

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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.

5/24

Directions for Use

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. Exception: if the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.

6/24

Unless directions under Timing/Special Directions state otherwise, applications to the soil should be worked into the top few inches immediately after application with a rotary hoe, cultivator, disk, harrow, or other suitable means for greatest effectiveness.

Work Safety Rules

REPEATED EXPOSURES TO CHOLINESTERASE INHIBITORS SUCH AS ARE CONTAINED IN THIS PRODUCT MAY, WITHOUT WARNING, CAUSE PROLONGED SUSCEPTIBILITY TO VERY SMALL DOSES OF ANY CHOLINESTERASE INHIBITOR.

When handling D·z·n diazinon 14G, do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away. See Practical Treatment section of this label.

7/24

VEGETABLE CROPS

SPECIAL PRECAUTIONS TO REDUCE RISKS TO BIRDS

Birds feeding on treated areas may be killed. To reduce risks to birds:

1. Thoroughly incorporate this product into the soil during or immediately after application. Refer to the Soil Incorporation table that follows.
2. Cover or incorporate spilled granules.

D.z.n diazinon 14G should be applied uniformly as directed for each crop. When a range of rates is given, use the higher rate for heavy infestations.

For application by ground equipment only. Do not apply this product to food crops grown in greenhouses.

Note: Soil Incorporation - Unless directions under "Timing/Special Directions" state otherwise, for control of pests listed below D.z.n diazinon 14G should be incorporated into the soil during or immediately after application.

Soil Incorporation

<u>Insect</u>	<u>Depth of Incorporation</u>
Surface cutworms*	2-3 inches
Subterranean cutworms*	3-6 inches
Mole crickets	1-2 inches
Root maggots	3-4 inches
Wireworms	4-8 inches

\*If cutworms cannot be identified, incorporate 4-6 inches.

8/24

Crop	Pest	Rate	Timing/Special Directions
Beans (Lima, Pole and Snap) (succulent varieties only)	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Beets, Red (Table)	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Broccoli	Root Maggots	14-21 lbs. per acre	Broadcast and incorporate into soil just before planting or transplanting.
	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.



9/24

Crop	Pest	Rate	Timing/Special Directions
Broccoli (Cont'd)	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Brussels Sprouts	Root Maggots	14-21 lbs. per acre	Broadcast and incorporate into soil just before planting or transplanting.
	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Cabbage	Root Maggots	14-21 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.

10/24

Crop	Pest	Rate	Timing/Special Directions
Carrots	Root Maggots	14-21 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Cauliflower	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Root Maggots	14-21 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Celery	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.

11/24

Crop	Pest	Rate	Timing/Special Directions
Collards	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Cucumbers	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Endive (Escarole)	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.

12/24

Crop	Pest	Rate	Timing/Special Directions
Ginseng	Cutworms, Climbing cutworms, Wireworms, White grubs	14-28 lbs. per acre	In new beds, broadcast just before planting and incorporate into the top 4-8 inches of soil by tilling with hand-held or powered ground equipment.
		21 lbs. per acre	When soil insect damage appears in established beds, broadcast in the Spring or late Summer through early Fall. In- corporate mechanically with 1/2 inch of irriga- tion.

Note: Do not apply more than once per growing season. Do not apply within 12 months of harvest.

Kale	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Lettuce	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.

B/24

Crop	Pest	Rate	Timing/Special Directions
Lettuce (Continued)	Wireworms	21-28 lbs. per	Broadcast and incorporate into soil just before planting.
Melons (Canta- loupes, Casabas, Crenshaws, Honeydew, Muskmelons, Persians, and Hybrids of these) and Water- melons	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Mustard	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
Onions (Bulb and Green)	Onion Maggots	14-28 lbs. per acre	Broadcast just before planting and incorporate into the top 3-4 inches of soil.  <u>Note:</u> Diazinon will not control organophosphate- resistant onion maggots.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.

14/24

Crop	Pest	Rate	Timing/Special Directions
Parsley	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Peas (succulent varieties only)	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Peppers	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Potatoes	Cutworms (Surface & Subterranean)	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.

Note: Do not use on commercially-grown potatoes which will be hand-harvested.

15/24

Crop	Pest	Rate	Timing/Special Directions
Radishes	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
	Root Maggots	14-21 lbs. acre	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Rutabagas	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Spinach	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.

16/24

Crop	Pest	Rate	Timing/Special-Directions
Squash (Summer and Winter)	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Sweet Corn	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Seed Corn Maggots	14-28 lbs. per acre	Broadcast just before planting and incorporate into the soil 2 inches.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Sweet Potatoes	Wireworms, Flea Beetles	21 lbs. per acre	Broadcast and incorporate into soil just before planting.
Swiss Chard	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.



17/24

Crop	Pest	Rate	Timing/Special Directions
Tomatoes	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Turnips	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.

18/24

FIELD CROPS

Special Precautions to Reduce Risks to Birds

Birds feeding on treated areas may be killed. To reduce risks to birds:

1. Thoroughly incorporate this product into the soil during or immediately after application.
2. Collect or incorporate granules that are spilled during loading or are visible on soil surface in turn areas.

D·z·n diazinon 14G should be applied uniformly as directed for each crop.

19/24

Crop	Pest	Rate	Timing/Special Directions
Sugar Beets	Sugar Beet Root Maggots	7-14 lbs. per acre or 4.7- 9.4 oz. per 1,000 linear ft. of row.	Apply in a 5-7 inch band (based on 22" row spacing) incorporated 2-3 inches at planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil 4-8 inches just before planting.

Note: Do not apply more than 28 lbs. of D.z.n diazinon 14G per acre to the soil per season.

20/74

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal. Store in a cool, dry, well-ventilated area away from food or feed.

Pesticide: Pesticide or equipment rinsate that cannot be used according to label instructions may be disposed of on site or at an approved waste disposal facility.

Container: Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles into application equipment. Then dispose of empty bag in a sanitary landfill or incinerate, or burn if allowed by state and local authorities. Stay out of smoke during burning. Do not reuse 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, fire or other emergency, call 1-800-888-8372 day or night.

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing dust and contact with eyes, skin or clothing. Do not store near food or feed products. Do not contaminate ornamental fish ponds.

Statement of Practical Treatment:

This product is an organophosphate.

If swallowed: Call a physician immediately. Drink one or two glasses of water and induce vomiting by touching the back of the throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth if person is unconscious or convulsing.

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

If on skin: Wash promptly with plenty of soap and water. Rinse thoroughly. Get medical attention.

21/24

If in eyes: Rinse eyes with plenty of water and call a physician immediately.

Note to Physician:

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.

**Personal Protective Equipment**

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Engineering Control Statements**

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**User Safety Recommendations**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

22/24

Environmental Hazards

This product is highly toxic to birds, fish, and other wild-life. Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Do not exceed maximum permitted label rates. Application rates above those recommended significantly increase potential hazard to birds. Avoid overlapping granules. Collect or incorporate granules that are spilled during loading or are visible on the soil surface in turn areas. Keep out of lakes, streams, ponds, tidal marshes, and estuaries. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab, and other aquatic life are important resources. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters.

D.z.n® trademark of Ciba-Geigy Corporation

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Ciba Crop Protection  
Ciba-Geigy Corporation  
Greensboro, North Carolina 27419

CGA 1L60

[GANNONC.LABELD]DZN14-A - 3/6/95

Revised - April 26, 1988  
Deleted golf courses and  
sod farms, added do not  
use on golf courses and  
sod farms to front panel,  
deleted End. spp.,  
revised Env.  
Hazards to delete golf  
course/sod farm  
restrictions.

Revised - Sept. 12, 1988  
Crops not supported under  
May 1, 1987 EPA Data  
Call-In, added spill  
statement, changed  
chemical name.

23/24

Revised May 25, 1989 specified sweet corn only for all corn dfu's except post application. Added "Do not use on commercially grown potatoes which will be hand-harvested, revised Precautionary Statements, Env. Hazards, statement of practical treatment added, Recommended for agricult. or commercial use only, revised warranty statement, reentry statement, deleted lawn directions for use to reduce potential avian hazard. See EPA letter of 11/30/88.

Revised 8/7/89 per EPA letters of 6/19 and 7/10/89. Made rates consistent, added incorporation depth table, deleted garden symphylans.

Changed emergency number.  
Revised 9/14/89 - Reg. Standard changes, other minor changes.

Revised 11/22/89 per EPA letter of 10/26/89 - Reg. Std. changes

Revised 12/11/89 per EPA letter of 12/6/89.

Revised 1/4/90 - Final format revisions per EPA letter of 12/12/89 - Reg. Standard Changes finalized.

Revised 5/90 - Deleted corn postemergence dfu's CGA 1L60 BB 050

Revised 10/17/90 - Deleted radish in furrow dfu's, beans postemergence app., sugar beets postemergence application.

Revised 7/17/92 - deleted sugarcane - no data will be generated for reregistration.

24/24

Revised 8/18/92 - pro-  
posed addn. avian changes  
Revised 3/3/93 - per EPA  
acceptance letters of  
11/20/92 and 2/26/93.  
CGA 1L60DD 033  
Revised 9/93 - WPS  
Revised - 5/23/95 - added  
rutabagas, changed © date

[GANNONC.LABELD] - DZN14-A - 5/23/95