

Mr. Tom Kohmetscher  
Cornbelt Chemical Company  
P.O. Box 410  
McCook, NE 69001

NOV - 8 1991

Subject: Amendment - Revise per Diazinon Registration Standard  
Diazinon 14G Granular Insecticide  
EPA Reg. No. 10107-20  
Your submission dated October 21, 1991

Dear Mr. Kohmetscher:

The labeling referred to above, submitted in connection with a registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable and a stamped copy of the label is enclosed for your records. The Agency suggests the following minor revisions when you are preparing the actual product labeling:

- 1) Delete the empty boxes for the crops "Beans" and "Radishes". You may choose to then tighten up the columns rather than leave empty space, as currently appears in the entry for the crop "Sweet Potatoes".
- 2) For the crop "Ginseng", the "Note" should be moved more to the right so that it begins in the "Pest" column (i.e., located in the same alignment as the "Note" for the crop "Potatoes"). This will eliminate any possible user misunderstanding as to which crop the note pertains.
- 3) For the field crop "Sugar Beets", delete the note about diazinon contacting the seed, since this was left over from the now deleted directions for the in-furrow method of application. Also, reformat these directions to appear as those for other crops, i.e., a single crop name for both uses and the "Note" (which should begin under the "Pest" column, as is seen for the crop "Potatoes"). A copy of Ciba-Geigy's D.z.n diazinon 14G label is enclosed for reference regarding this reformatting (and for the reformatting indicated in item "2", above).

- 4) For the crop "Lettuce" the last pest should appear as "Mole Crickets" rather than "Mole Cricket", to be consistent with the rest of your label.

The Agency understands that the amended labeling will be used for your next printing and will be released for shipment no later than the August 31, 1992 deadline imposed by the Diazinon Registration Standard, as amended.

Sincerely yours,

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

# DIAZINON® 14-G

## Granular Insecticide

**ACCEPTED**  
 NOV - 8 1991  
 The United States Environmental Protection Agency, Washington, D.C. 20460, has registered this pesticide under EPA Reg. No. 10107-20

**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.

FOR CONTROL OF CERTAIN SOIL INSECTS INCLUDING WIREWORMS, CUTWORMS, AND OTHER CROP PESTS.

**ACTIVE INGREDIENT:**

Diazinon [O, O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate] ..... 14.3 %

**INERT INGREDIENTS:** ..... 85.7 %

**TOTAL** ..... 100.0 %

Diazinon 14G is a granular insecticide.

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# KEEP OUT OF REACH OF CHILDREN

# CAUTION

**Hazards to Humans and Domestic Animals**

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

**Statement of Practical Treatment**

**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 soap and water. Rinse thoroughly. Get medical attention.

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

**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 and may be administered, but only in conjunction with atropine.

**Environmental Hazards**

This product is highly toxic to birds, fish, and other wildlife. 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 hazards to birds and waterfowl. Avoid overlapping granules. Collect or incorporate granules that are spilled during loading or are visible on soil surface in turn area. 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 median high water mark. Drift and 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 washwaters.

### 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 CHEMTREC 1-800-424-9300 day or night.

® Diazinon is a registered trademark of Ciba Geigy Corporation.

EPA Reg. No. 10107-20

EPA Est. No. 10107-NB-1

SEE ADDITIONAL DIRECTIONS ON BACK PANEL

NET WEIGHT: 25 POUNDS

Manufactured for:

**Cornbelt Chemical Company**

P.O. Box 410

McCook, Nebraska 69001

REV 10/91

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 CORNBELT, or the Seller. All such risks shall be assumed by the Buyer.

CORNBELT 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. CORNBELT makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall CORNBELT or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. CORNBELT and the Seller offer this product, and the Buyer and use 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 CORNBELT.

#### DIRECTIONS FOR USE

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

**FAILURE TO FOLLOW ALL PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.**

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.

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

#### Vegetable Crops

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.

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

Insect	Depth of Incorporation
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.

CROP	PEST	RATE	TIMING/SPECIAL
			DIRECTIONS
Beans (Pole, Snap or Lima) (succulent varieties only)	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28 lbs. per acre	
Beets, Red (Table)	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.
Broccoli	Root Maggots	14-21 lbs. per acre	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.
Brussels Sprouts	Root Maggots	14-21 lbs. per acre	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.
Cabbage	Root Maggots	14-21 lbs. per acre	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.
Carrots	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil

CROP	PEST	RATE	TIMING/SPECIAL
			DIRECTIONS
Cucumber	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
Endive (Escarole)	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.
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. Incorporate mechanically with 1/2 inch of irrigation.
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 mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.
Lettuce	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
	Mole Cricket	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.
Melons (Cantaloupe, Casabas, Greenhans, Honeydew, Muskmelon, Persimons, & Hybrids of these) and Watermelons	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
Mustard	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.

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CROP	PEST	RATE	TIMING/SPECIAL
			DIRECTIONS
Potatoes	Cutworms (Surface & Subterranean)	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
NOTE: Do not use on commercially-grown potatoes which will be hand-harvested.			
Radishes	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.
Spinach	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
Squash, Summer and Winter	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
Sweet Corn	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
	Seed Corn Maggots	14-28 lbs. per acre	Broadcast just before planting and mix into the soil 2 inches.
Sweet Potatoes	Wireworms	21 lbs. per acre	Broadcast and mix into soil just before planting.
	Flea Beetles		
Swiss Chard	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.
	Wireworms	21-28 lbs. per acre	
Tomatoes	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
Turnips	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and mix into soil just before planting.

VERY SMALL DOSES OF ANY CHOLINESTERASE INHIBITOR.

When handling 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. When handling this product, wear the personal protective equipment listed in the following section.

#### PERSONAL PROTECTIVE EQUIPMENT

Long-sleeved shirt, long-legged pants, shoes and socks, and chemical-resistant gloves.

Do not apply this product in a way that will contact unprotected workers, either directly or through drift. Only protected handlers may be in the area during application.

#### RE-ENTRY STATEMENT

Twenty-four hours must elapse between the time of application and the time a worker enters or is allowed to enter the treated area unless the person entering the treated area is wearing the personal protective equipment listed above.

Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must be given which inform workers of areas or fields that may not be entered without specific personal protective equipment for 24 hours after application and appropriate actions to take as described under Precautionary Statements at the end of this label. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: "CAUTION. Area treated with Diazinon 14G on (date of application). Do not enter without appropriate personal protective equipment for 24 hours after application. In case of accidental exposure, flush eyes or skin with plenty of water. Call a physician if irritation persists. Remove and wash contaminated clothing before reuse."

	Wireworms	21-28 lbs. per acre	just before planting.
	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.
Cauliflower	Root Maggots	14-21 lbs. per acre	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.
Celery	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
Collards	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.

Onions (green and bulb)	Onion Maggots	14-28 lbs. per acre	Broadcast just before planting and mix into the top 3-4 inches of soil. NOTE: Dazinon may not control organo-phosphate-resistant onion maggots.
	Wireworms	21-28 lbs. per acre	Broadcast and mix into soil just before planting.
Parsley	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
Peas (succulent varieties only)	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
Peppers	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.

**PRELIMINARY**

Diazinon 14G should be applied uniformly as directed before each crop. Observe stated time intervals between applications and maximum number of applications per season.

Sugar Beets	Sugar Beet Root Maggots	7-14 lbs. per acre or 4.7-9.4 lbs. 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.
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Do not allow Diazinon 14G to contact the seed or injury will occur.

Sugar Beets	Wireworms	21-28 lbs. per acre	Broadcast and mix into soil to the soil 4-6 inches just before planting.
Sugar Beets	NOTE: Do not apply more than 28 lbs. of Diazinon 14G per acre to the soil per season.		
Sugarcane (FL only)	Wireworms	28 lbs. per acre	At planting, apply in a 12-inch band over the open furrow, directly to seed pieces.