

PM 15 ~~100-469~~  
100-469

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**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**

**DEC 12 1989**

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-methyl-4-pyrimidinyl) phosphorothioate .....	14.3%
Inert Ingredients:	85.7%
<b>Total:</b>	<b>100.0%</b>

EPA Reg. No. 100-469

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

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements on back of bag.

Control No. 06850

See directions for use on back of bag.

50 Pounds  
Net Weight

CIBA-GEIGY

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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.

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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.

D·z·n diazinon 14G may be applied aerially to corn only.

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. 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.

**BEST AVAILABLE COPY**

Reentry 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 reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

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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 D·z·n 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."

Vegetable Crops

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.

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.

<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.

Crop	Pest	Rate	Timing/Special Directions
Beans (Pole, Snap or Lima) (succulent varieties only)	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into the soil just before planting.
	Lesser Cornstalk Borers	7-14 lbs. per acre	Apply in a 6-inch band centered over the row when plants are 1/2-1 inch tall. Do not incorporate into soil.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into the soil just before planting.
Beets, Red (Table)	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into the 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 the soil just before planting.
Broccoli	Root Maggots	14-21 lbs. per acre	Broadcast and incorporate into the soil just before planting or transplanting.
	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into the 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.

**BEST AVAILABLE COPY**

Crop	Pest	Rate	Timing/Special Directions
Broccoli (Cont'd)	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into the soil just before planting.
Brussels Sprouts	Root Maggots	14-21 lbs. per acre	Broadcast and incorporate into the soil just before planting or transplanting.
	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into the 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 the soil just before planting.
Cabbage	Root Maggots	14-21 lbs. per acre	Broadcast and incorporate into the soil just before planting or transplanting.
	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into the 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 the soil just before planting.

**BEST AVAILABLE COPY**

Crop	Pest	Rate	Timing/Special Directions
Carrots	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into the 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 the soil just before planting.
Cauliflower	Root Maggots	14-21 lbs. per acre	Broadcast and incorporate into the soil just before planting or transplanting.
	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into the 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 the soil just before planting.
Celery	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into the soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into the soil just before planting.

Crop	Pest	Rate	Timing/Special Directions
Collards	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into the 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 the soil just before planting.
Cucumber	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into the soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into the soil just before planting.
Endive (Escarole)	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into the 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 the soil just before planting.



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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. 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 incorporate into the 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 the soil just before planting.
Lettuce	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into the 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 the soil just before planting.

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Crop	Pest	Rate	Timing/Special Directions
Melons (Cantaloupes, Casabas, Crenshaws, Honeydew, Musk- melons, Persians and Hybrids of these) and water- melons	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into the soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into the 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 (green & bulb)	Onion Maggots	14-28 lbs. per acre	Broadcast just before planting and incorporate into the top 3-4 inches of soil by disking, harrowing, or other suitable means.  NOTE: Diazinon may not control organophosphate-resistant onion maggots.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into the soil just before planting.
Parsley	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into the soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into the soil just before planting.

Crcp	Pest	Rate	Timing/Special Directions
Peas (succulent varieties only)	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into the soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into the soil just before planting.
Peppers	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into the 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 the soil just before planting.
Potatoes	Cutworms (Surface & Subter-ranean)	14-28 lbs. per acre	Broadcast and incorporate into the soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into the soil just before planting.

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

Radishes	Root Maggots	10 1/2-14 lbs. per acre	Apply in the seed furrow at planting (2 1/2-2 4/5 ozs. per 1,000 linear ft. of row.)
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Crop	Pest	Rate	Timing/Special Directions
Radishes (Cont'd)	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
Spinach	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into the soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into the soil just before planting.
Squash, Summer and Winter	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into the soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into the soil just before planting.
Sweet Corn (see also field corn direc- tions for use)	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into the 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 the soil just before planting.

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Crop	Pest	Rate	Timing/Special Directions
Sweet Potatoes	Wireworms, Flea Beetles	21 lbs. per acre	Broadcast just before planting. or Southeastern U.S.: Broadcast 21 lbs./acre over the tops of vines when roots begin to enlarge and, do not incorporate.
Swiss Chard	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into the soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into the soil just before planting.
Tomatoes	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into the 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 the soil just before planting.

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Crop	Pest	Rate	Timing/Special Directions
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 the soil just before planting.

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**Field Crops**

D·z·n diazinon 14G should be applied uniformly as directed for each crop. Observe stated time intervals between applications and maximum number of applications per season.

Field and sweet corn may be treated aeriaily.

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Crop	Pest	Rate	Timing/Special Directions
Field Corn or Sweet Corn	European Corn Borers	7-14 lbs. per acre	<p>When 75% of plants show first generation borer. feeding, apply over the corn so granules fall in the whorls.</p> <p>Make a second application 7 days later if needed.</p> <p>For second generation borers apply as above when field count shows 100 egg masses per 100 plants.</p> <p>Do not make more than 3 applications per season.</p>
	Fall Armyworm	7-14 lbs. per acre	<p>Apply over corn so granules fall into whorls when larvae first appear. If necessary, application may be repeated twice at 7-day intervals. Do not make more than 3 applications per season.</p>
	South-western Corn Borer	7-14 lbs. per acre	<p>Apply over corn so granules fall into whorls when second-generation borers first appear. If necessary, application may be repeated at 7-day intervals. Do not make more than 3 applications per season.</p>

NOTES: D·z·n diazinon 14G may be applied aerially to corn for these three pests. For aerial application, the material should be uniformly applied to the area to be treated. Do not feed treated fodder to dairy or beef cattle or sheep for 10 days following application. Corn may be picked immediately after last application. Temporary spotting of foliage sometimes occurs following application.



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.	<p>Apply in a 5-7 inch band (based on 22" row spacing) either incorporated 2-3 inches at planting or applied above the seed after the seed is covered. Apply ahead of the press wheel.</p> <p>If a heavy maggot infestation is anticipated or a wet Spring occurs, a second application may be made early postemergence, when adult maggot flies first appear. If a second application is necessary, apply 7-10 1/2 lbs. per acre in a 5-7 inch band (based on row width of 22 inches) or 4.7-7.1 oz. per 1,000 linear feet of row in a 5-7 inch band directly over the row.</p> <p>Do not allow D·z·n diazinon 14G to contact the seed or injury will occur.</p>
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into the 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.

Sugarcane (FL only)	Wireworms	28 lbs. per acre	At planting, apply in a 12-inch band over the open furrow, directly to seed pieces.
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### Storage and Disposal

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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. 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.

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

Continued

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 areas. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). 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.

D-z-n® trademark of CIBA-GEIGY

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Agricultural Division  
CIBA-GEIGY Corporation  
Greensboro, North Carolina 27419

CGA 1L60Z 129

(LABELS-D.4 - DZN14G/DRAFT.1)

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 re-  
stric tions.

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

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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.

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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.

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

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

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