

Recommended for Agricultural or Commercial Use Only

D·z·n[®] diazinon 14G

Granular Insecticide

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

This product must not be used on golf courses and sod farms.

50 Pounds
Net Weight

ACCEPTED
JUN 19 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%
Total	100.0%

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

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.

No user shall permit the application of this product in such a manner as to directly or indirectly expose workers or other persons except those knowingly involved in the application. The area being treated must be vacated by unprotected persons.

D-z-n diazinon 14G may be applied aurally to corn only.

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

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.

Reentry Statement

Twenty-four hours must elapse between the time of application and the time a worker enters the treated area without protective clothing to engage in any activity which requires substantial contact with treated foliage. Protective clothing includes at least a hat or other suitable head covering, a long-sleeved shirt and long legged trousers or a coverall type garment (all of a closely woven fabric) covering the body including arms and legs, socks and shoes.

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.

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 protective clothing for 24 hours after application and appropriate actions to take as described under Caution 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 protective clothing 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.

Crop	Pest	Rate	Remarks
Beans (Pole, Snap or Lima) (succulent only)	Cutworms *Garden Symphylans (Centi- pedes)	14-28 lbs. per acre	Broadcast just prior to planting. Incorporate into the top 2-6 inches of soil. *The high rate of application will only help to suppress garden symphylan populations.
	Lesser Cornstalk Sorers	7-14 lbs. per acre	Apply in a 6-inch band centered over the row when plants are 1/2-1 inch tall.
	Wireworms	21-28 lbs. per acre	Broadcast just prior to planting. Incorporate into soil 4-8 inches.
Beets, Red (Table)	Cutworms *Garden Symphylans (Centi- pedes),	14-28 lbs. per acre	Broadcast just before planting. Incorporate into the top 4-8 inches of soil. *The high rate of application will only help to suppress garden symphylan populations. NOTE: This treatment will also control mole crickets and root maggots.
	Mole Crickets	7 lbs. per acre	Broadcast to plant beds or fields 1-2 days prior to sowing of seed when insects are present and incorporate into the soil 1-2 inches.
	Wireworms	21-28 lbs. per acre	Broadcast prior to planting and incorporate into soil 4-8 inches.
Broccoli	Root Maggots	14-21 lbs. per acre	Broadcast before planting or transplanting. Incorporate into the top 3-4 inches of soil.
	Cutworms	14-28 lbs. per acre	Broadcast just before planting. Incorporate into the top 4-6 inches of soil.
	Mole Crickets	7 lbs. per acre	Make applications to plant beds 1-2 days prior to planting when insects are present or expected and incorporate into the top 1-2 inches of soil

Crop	Fest	Rate	Remarks
Broccoli (Cont'd)	Wireworms	21-28 lbs. per acre	Broadcast just before planting. Incorporate into soil 4-8 inches of soil.
Brussels Sprouts	Root Maggots	14-21 lbs. per acre	Broadcast before planting or transplanting. Incorporate into the top 3-4 inches of soil.
	Cutworms	14-28 lbs. per acre	Broadcast just before planting. Incorporate into the top 4-6 inches of soil.
	Mole Crickets	7 lbs. per acre	Make applications to plant beds 1-2 days prior to planting when insects are present or expected and incorporate into the top 1-2 inches of soil.
	Wireworms	14-28 lbs. per acre	Broadcast just before planting and incorporate into the top 4-8 inches of soil.
Cabbage	Root Maggots	14-21 lbs. per acre	Broadcast before planting or transplanting. Incorporate into the top 3-4 inches of soil.
	Cutworms *Garden Symphylans (Centi- pedes)	14-28 lbs. per acre	Broadcast just before planting. Incorporate into the top 4-6 inches of soil. *The high rate will only suppress garden symphylan populations.
	Mole Crickets	7 lbs. per acre	Make applications to plant beds 1-2 days prior to planting when insects are present or expected and incorporate into the top 1-2 inches of soil.
	Wireworms	21-28 lbs. per acre	Broadcast just before planting. Incorporate into the top 4-8 inches of soil.

Crop	Pest	Rate	Remarks
Carrots	Cutworms *Garden Symphylans (Centi- pedes)	14-28 lbs. per acre	Broadcast just before planting. Incorporate into soil 4-6 inches. *This high rate of application will only help to suppress garden symphylan populations. NOTE: This treatment will also control mole crickets and root maggots.
	Mole Crickets	7 lbs. per acre	Broadcast to plant beds or fields 1-2 days prior to sowing of seed when insects are present and incorporate into the soil 1-2 inches.
	Wireworms	21-28 lbs. per acre	Broadcast prior to planting and incorporate into soil 4-8 inches.
Cauli- flower	Root Maggots	14-21 lbs. per acre	Broadcast before planting or transplanting. Incorporate into the top 3-4 inches of soil.
	Cutworms	14-28 lbs. per acre	Broadcast just before planting. Incorporate into the top 4-6 inches of soil.
	Mole Crickets	7 lbs. per acre	Make applications to plant beds 1-2 days prior to planting and incorporate into the top 1-2 inches of soil.
	Wireworms	21-28 lbs. per acre	Broadcast just before planting and incorporate into the top 4-8 inches of soil.
Celery	Cutworms	14-28 lbs. per acre	Broadcast just before planting. Incorporate 2-4 inches to control cutworms.
	Wireworms	21-28 lbs. per acre	Broadcast just before planting. Incorporate 4-8 inches to control wireworms.

Crop	Pest	Rate	Remarks
Collards	Cutworms	14-28 lbs. per acre	Broadcast just before planting. Incorporate into the top 4-6 inches of soil.
	Mole Crickets	7 lbs. per acre	Make applications to plant beds 1-2 days prior to planting when insects are present or expected and incorporate into the top 1-2 inches of soil.
	Wireworms	21-28 lbs. per acre	Broadcast just before planting and incorporate into the top 4-8 inches of soil.
Cucumber	Cutworms	14-28 lbs. per acre	Broadcast just prior to planting. Incorporate into the top 2-6 inches of soil.
	Wireworms	21-28 lbs. per acre	Broadcast just prior to planting. Incorporate into the top 4-8 inches of soil.
Endive (Escarole)	Cutworms	14-28 lbs. per acre	Broadcast just before planting. Incorporate into the top 2-4 inches of soil. NOTE: This treatment will also control mole crickets.
	Mole Crickets	7 lbs. per acre	Apply to plant beds or fields 1-2 days before planting or transplanting when insects are present or expected. Incorporate into the top 1-2 inches of soil.
	Wireworms	21-28 lbs. per acre	Broadcast just before planting. Incorporate into the top 4-8 inches of soil.

Crop	Pest	Rate	Remarks
Ginseng	Cutworms, Climbing cutworms, Wireworms, White grubs	14-28 lbs. per acre	In new beds, broadcast prior to planting and incorporate into the top 4-8 inches of soil by tilling with hand-held or powered ground equipment.
		21 lbs. per acre	If soil insect damage is present in established beds, broadcast in the Spring or late Summer through early Fall. Incorporate mechanically with 1/2 inch of irrigation. NOTES: 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 just before planting. Incorporate into the top 4-6 inches of soil.
	Mole Crickets	7 lbs. per acre	Broadcast just before planting. Incorporate into the top 4-6 inches of soil.
	Wireworms	21-28 lbs. per acre	Broadcast just before planting and incorporate into the top 4-8 inches of soil.
Lettuce	Cutworms	14-28 lbs. per acre	Broadcast just before planting. Incorporate into the top 2-4 inches of soil.
	Mole Crickets	7 lbs. per acre	Apply to plant beds or fields 1-2 days before planting or transplanting when insects are present or expected. Incorporate into the top 1-2 inches of soil.
	Wireworms, *Garden Symphylans (Centi- pedes)	21-28 lbs. per acre	Broadcast just before planting. Incorporate into the top 4-8 inches of soil. *The high rate will only suppress garden symphylan populations.

Crop	Pest	Rate	Remarks
Melons (Cantaloupes, Casabas, Crenshaws, Honeydew, Musk- melons, Persians and Hybrids of these)	Cutworms	14-28 lbs. per acre	Broadcast just prior to planting. Incorporate into the top 2-6 inches of soil.
	Wireworms	21-28 lbs. per acre	Broadcast just prior to planting. Incorporate into the top 4-8 inches of soil.
Mustard	Mole Crickets	7 lbs. per acre	Apply to plant beds or fields 1-2 days before planting or transplanting when insects are present or expected. Incorporate into the top 1-2 inches of soil.
Onions (green & bulb)	Onion Maggots	14-28 lbs. per acre	Broadcast just before planting and mix 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 just prior to planting. Work into the top 4-8 inches of soil immediately after application.
Parsley	Cutworms	14-28 lbs. per acre	Broadcast just before planting. Incorporate into the top 2-4 inches of soil.
	Wireworms	21-28 lbs. per acre	Broadcast just before planting. Incorporate into the top 4-8 inches of soil.

Crop	Pest	Rate	Remarks
Peas (succulent only)	Cutworms, *Garden Symphylans (Centi- pedes)	14-28 lbs. per acre	Broadcast just prior to planting. Incorporate into the top 2-6 inches of soil. *The high rate of application will only help to suppress garden symphylan populations.
	Wireworms	21-28 lbs. per acre	Broadcast just prior to planting. Incorporate into the top 4-8 inches of soil.
Peppers	Cutworms	14-28 lbs. per acre	Broadcast just prior to planting. Incorporate into the top 2-6 inches of soil.
	Mole Crickets	7 lbs. per acre	Apply when insects are present. Make application to plant beds or fields 1-2 days prior to sowing of seed or transplanting and incorporate into the top 1-2 inches of soil.
	Wireworms	21-28 lbs. per acre	Broadcast just prior to planting. Incorporate into the top 4-8 inches of soil.
Potatoes NOTE: Do not use on commer- cially- grown potatoes which will be hand- harvested.	Cutworms (Surface & Subter- anean)	14-28 lbs. per acre	Just before planting, broadcast and incorporate immediately into the top 4-6 inches of soil.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into the top 4-6 inches of soil before planting.
Radish	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.)

Crop	Pest	Rate	Remarks
Radish (Cont'd)	*Garden Symphylans (Centi- pedes)	28 lbs. per acre	Broadcast just before planting. Incorporate into soil 4-6 inches. *This application will only suppress garden symphylan populations. NOTE: This treatment will also control cutworms and mole crickets.
	Mole Crickets	7 lbs. per acre	Make application to plant beds 1-2 days prior to planting when insects are present or expected and incorporate into the top 1-2 inches of soil.
Spinach	Cutworms	14-28 lbs. per acre	Broadcast just before planting. Incorporate into the top 2-4 inches of soil.
	Wireworms	21-28 lbs. per acre	Broadcast just before planting. Incorporate into the top 4-8 inches of soil.
Squash, Summer and Winter	Cutworms	14-28 lbs. per acre	Broadcast just prior to planting. Incorporate into the top 2-6 inches of soil.
	Wireworms	21-28 lbs. per acre	Broadcast just prior to planting. Incorporate into the top 4-8 inches of soil.
Sweet Corn (see also field corn direc- tions for use)	Cutworms	14-28 lbs. per acre	For surface cutworms, broadcast just prior to planting or when larvae first appear and incorporate into soil 2-4 inches. Do not apply after layby. For subterranean cutworms, apply just prior to planting and incorporate soil 3-6 inches.
	Seed Corn Maggots	14-28 lbs. per acre	Broadcast just prior to planting. Incorporate into soil 2 inches.
	Wireworms	14-28 lbs. per acre	Broadcast prior to planting. Incorporate into soil 4-6 inches.

Crop	Pest	Rate	Remarks
Sweet Potatoes	Wireworms, Flea Beetles, White Grubs, Southern Corn Rootworms	21 lbs. per acre	Broadcast just prior to planting. Incorporate 4-8 inches. or Broadcast 21 lbs./acre over the tops of vines when roots begin to enlarge (Southeastern U.S.).
Swiss Chard	Cutworms	14-28 lbs. per acre	Broadcast just before planting. Incorporate into the top 4-8 inches of soil.
	Wireworms	21-28 lbs. per acre	Broadcast just before planting. Incorporate into the top 2-4 inches of soil.
Tomatoes	Cutworms, *Garden Symphylans (Centipedes)	14-28 lbs. per acre	Broadcast just prior to planting. Incorporate into the top 2-6 inches of soil. *The high rate of application will only help to suppress garden symphylan populations. NOTE: This treatment will also control mole crickets, root maggots, and wireworms.
	Mole Crickets	7 lbs. per acre	Apply when insects are present. Make application to plant beds or fields 1-2 days prior to sowing of seed or transplanting and incorporate into the top 1-2 inches of soil.
	Wireworms	21-28 lbs. per acre	Broadcast just prior to planting. Incorporate into the top 4-8 inches of soil.
Turnips	Cutworms *Garden Symphylans (Centipedes),	14-28 lbs. per acre	Broadcast just before planting. Incorporate into the top 4-6 inches of soil. *The high rate of application will only suppress garden symphylan populations. NOTE: This treatment will also control mole crickets and root maggots.

Crop	Pest	Rate	Remarks
Turnips (Cont'd)	Mole Crickets	7 lbs. per acre	Make application to plant beds 1-2 days prior to planting when insects are present or expected and incorporate 1-2 inches.
	Wireworms	21-28 lbs. per acre	Broadcast prior to planting and incorporate into soil 4-8 inches.
Watermelon	Cutworms	14-28 lbs. per acre	Broadcast just prior to planting. Incorporate into the top 2-6 inches of soil.
	Wireworms	21-28 lbs. per acre	Broadcast just prior to planting. Incorporate into the top 4-8 inches of soil.

Field Crops

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

Field and sweet corn may be treated aeriaily.

Crop	Pest	Rate	Remarks
Field Corn or Sweet Corn	European Corn Borers	7-14 lbs. per acre	<p>When 75% of plants show first generation borers 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. For aerial application the material should be uniformly applied to the area to be treated.</p>
	Fall Armyworm	7-14 lbs. per acre	<p>Apply over corn so granules fall into whorls when armyworms first appear. Repeat application in 7 days if necessary. 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. Repeat application one week later. Do not make more than 3 applications per season.</p> <p>NOTES: D·z·n diazinon 14G may be applied aurally to corn for these pests. Do not feed treated fodder to dairy or beef cattle or sheep for 10 days following application. Corn may be picked immediately. Temporary spotting of foliage sometimes occurs following application.</p>

Crop	Pest	Rate	Remarks
Sugar Beets	Sugar Beet Root Maggots	7-14 lbs. per acre	<p>Apply in a 5-7 inch band (based on 22" row spacing). Ahead of the press wheel, incorporated 2-3", at planting or immediately after planting. This is equivalent to 4.7 to 9.4 ozs. per 1,000 linear feet of row.</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.</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	<p>Broadcast just before planting. Incorporate into soil 4-6 inches.</p> <p>Do not apply more than 28 lbs. of D·z·n diazinon 14G to the soil per season.</p>
Sugarcane (FL only)	Wireworms	28 lbs. per acre	At planting, apply in a 12-inch band over the open furrow, directly to seed pieces.

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 1-800-334-9481 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.

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 toxic to birds, fish and wildlife including waterfowl. Birds, including waterfowl, feeding on treated areas may be killed. Do not apply directly to water or wetlands. Do not contaminate water by disposal of equipment washwaters. Apply this product only as specified on this label.

Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply to water that will be used for recreational purposes and human livestock consumption. 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.

This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting the crop, cover crop, or weeds blooming in the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

D·z·n® trademark of CIBA-GEIGY

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CCA 1L60Z

(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-
strictions.

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

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.