

100-469

7-26-78

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D·z·n™

Diazinon® 14G

ACCEPTED

JUL 26 1978

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

Granular Insecticide

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

Active Ingredient:
O,O-diethyl O-(2-iso-
propyl-6-methyl-4-
pyrimidinyl) phos-
phorothioate... 14.3%

Inert
Ingredients: 85.7%
Total: 100.0%

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

Caution:
Keep out of reach of
children.
See additional caution
statements on back
of bag.

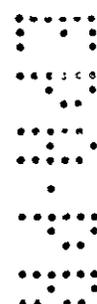
50 Pounds
Net Weight

EPA Reg. No. 100-469

Control No. **06850**

See directions for use on
back of bag.

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.

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

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.

Field and Forage Insects

Beans (Pinto)

Lesser Cornstalk Borers: Apply 7-14 lbs. per acre in a 6-inch band centered over the row when beans are 1/2-1 inch high.

Corn

Corn Rootworm Larvae: (Postemergence Basal Treatment)

Apply 4 1/2-8 1/2 oz. per 1,000 linear feet of row in a band over the row at first sign of rootworms, but not later than June 24 in the Middle Corn Belt or July 1 in the Northern Corn Belt. Cover treated band with 2-3 inches of soil.

Apply amount per acre recommended according to row spacing chart for basal treatment.

Lesser Cornstalk Borers: Apply 8 1/2-17 oz. per 1,000 linear feet of row in a 10-inch band centered over the row. Make application at planting time or when crop begins to emerge. Cover the treated band with 1-2 inches of soil.

Apply amount per acre recommended according to row spacing chart for basal treatment.

Suggested Rates According to Corn Row Spacing

Row spacing	Linear feet of corn row per acre	Amount of D'z'n Diazinon 14G per acre
		Postemergence basal treatment
48"	10,890	3-6 lbs.
42"	12,455	3 1/4-6 1/2 lbs.
40"	13,068	3 1/2-7 lbs.
38"	13,939	3 3/4-7 1/2 lbs.
36"	14,520	4-8 lbs.
30"	17,424	4 3/4-9 1/2 lbs.
24"	21,780	5 3/4-11 1/2 lbs.
20"	26,136	7-14 lbs.
15"	34,848	9 1/4-18 1/2 lbs.

Note: For row spacings not listed, calculate the appropriate dosage rates based on the 40-in. row figures.

European Corn Borers: Apply 7-14 lbs. per acre over the corn so granules fall into whorls, when 75% of plants show first-generation borers feeding. Make a second application 7 days later if needed. To control second-generation corn borers, apply 7-14 lbs. per acre, as above, when field count shows 100 egg masses per 100 plants.

D'z'n Diazinon 14G may be applied by aircraft for the above use. This material should be uniformly applied to the area to be treated at the recommended rates given above.

Fall Armyworms: Apply 7-14 lbs. per acre over the corn so granules fall into whorls when armyworms first appear. Repeat application if necessary.

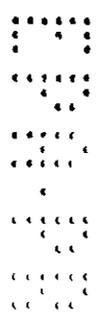
Southwestern Corn Borers: Apply 7-14 lbs. per acre over the corn so granules fall into whorls when second-generation borers first appear. Repeat application one week later.

Note: 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.

Cutworms: Broadcast 14-28 lbs. per acre. For surface cutworms apply just prior to planting or when larvae first appear and work into soil 1-2 inches. Do not apply after layby. For subterranean cutworms apply just prior to planting and work into soil 3-6 inches.

Seed Corn Maggots: Broadcast 14-28 lbs. per acre just prior to planting. Work into soil 2 inches.

Garden Symphylans (Centipedes): Broadcast 70 lbs. per acre just prior to planting and work into soil 4-8 inches. This preplant treatment will also control other soil insects such as cutworms (surface and subterranean) and wireworms.



Wireworms: Broadcast 21-28 lbs. per acre before planting. Work into soil 4-6 inches.

Peanuts

✓ Southern Corn Rootworms: Broadcast 28 lbs. per acre or the equivalent in a band over the fruiting zone, just prior to pegging. Work into top few inches of soil.

✓ Cutworms: Apply 14 lbs. per acre in a 12-inch band over the row when cutworms first appear. Up to three additional applications at three-week intervals may be necessary. Do not apply within 21 days of peanut harvest.

✓ Lesser Cornstalk Borers: Apply 14-21 lbs. per acre in a band over the fruiting zone just prior to pegging. Cover the band with 1-2 inches of soil.

✓ Note: Livestock (1) may be fed peanut hulls (2) may be fed peanut forage 7 days following treatment and (3) may be fed peanut hay 21 days following treatment.

Sorghum

✓ Cutworms: Broadcast 14-28 lbs. per acre just prior to planting. Work into soil 2-3 inches to control surface cutworms; 3-6 inches to control subterranean cutworms.

✓ Lesser Cornstalk Borers: Apply 7-14 lbs. per acre in a 10-inch band over the row at planting time or as crop emerges. Cover the band with 1-2 inches of soil.

Note: Do not apply directly to the seed furrow as reduction of sorghum seed germination may occur.

Soybeans

✓ Cutworms: Broadcast 14-28 lbs. per acre just prior to planting. Work into soil 2-3 inches to control surface cutworms; 3-6 inches to control subterranean cutworms.

✓ Lesser Cornstalk Borers: Apply 7-14 lbs. per acre in a 6-inch band over the row just prior to planting or when soybeans are 1-2 inches high. Cover the band with 1-2 inches of soil.

Sugar Beets

✓ Sugar Beet Root Maggots: Apply 7-14 lbs. per acre in a 5-7 inch band (based on row width of 22 in.) or 4.7-9.4 oz. per 1,000 linear feet of row in a 5-7 inch band either incorporated 2-3 inches at planting or applied above the seed after the seed is covered. Apply ahead of the press wheel. If a heavy maggot infestation is anticipated or a wet spring occurs, a second application may be made, early postemergence, when the adult maggots (flies) first start to appear. If a second application is necessary, apply 7-10½ lbs. per acre in a 5-7 inch band (based on row width of 22 in.) or 4.7-7.1 oz. per 1,000 linear feet of row in a 5-7 inch band directly over the row.

Note: Don't Diazinon 14G should not come in direct contact with the seed or injury will occur.

✓ Wireworms: Broadcast 21-28 lbs. per acre just prior to planting. Work into soil 4-8 inches.

Sugarcane

✓ Sugarcane Borers: Broadcast 10½-17½ lbs. per acre after joints have begun to form and when at least 5% of plants show borers feeding in or under the leaf sheath, but which have not bored into the stalks. Additional applications may be necessary to assure continuing control.

✓ Note: Do not make more than four applications per growing season. Allow 28 days between last application and harvest. At that time bagasse and forage may be fed to livestock.

✓ Wireworms: Apply 42 lbs. per acre in a 12-inch band over the open furrow, directly to seed pieces.

Tobacco

✓ Cutworms: Broadcast 14-21 lbs. per acre before transplanting. Work into soil 2-4 inches.

✓ Mole Crickets: Apply 7 lbs. per acre when insects are present. Make application to plant beds or fields 1-2 days prior to sowing of seed or transplanting and work into soil 1-2 inches.

✓ Seed Corn Maggots: Broadcast 10½ lbs. per acre 3-4 weeks before transplanting. Work into soil 2 inches.

✓ Wireworms: Broadcast 14-21 lbs. per acre 3-4 weeks before transplanting. Work into soil 6-9 inches.

Forage Crops (Alfalfa, Clover, Cowpeas, and Lespedeza)

✓ Cutworms: Broadcast 14-28 lbs. per acre just prior to planting. Work into soil 2-3 inches to control surface cutworms, 3-6 inches to control subterranean cutworms.

Vegetable Crop Insects

Broccoli, Brussels Sprouts, Cabbage, and Cauliflower

✓ Root Maggots: Broadcast 14-21 lbs. per acre before planting or transplanting. Work into soil 3-4 inches.

Onions

✓ Onion Maggots: Apply 14-28 lbs. per acre as a broadcast soil treatment just prior to planting. Thoroughly mix the chemical into the top 3-4 inches of soil by disking, harrowing, or other suitable means.

Radishes

✓ Root Maggots: Apply 10½-14 lbs. per acre (2½-2¾ oz. per 1,000 linear feet of row) in the seed furrow at planting time.

Sweet Corn

✓ See Corn under Field and Forage Insects.

Tomatoes

✓ Vinegar Flies (*Drosophila spp.*): Broadcast 7 lbs. per acre when flies first appear. Repeat in 7-10 day intervals or as required.



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Other Vegetable Insects

Cutworms (Surface and Subterranean)

Broccoli	Endive (escarole)	Pole Beans
Brussels Sprouts	Kale	Snap Beans
Cabbage	Lettuce	Spinach
Cantaloupes	Lima Beans	Summer Squash
Cauliflower	Muskmelons	Swiss Chard
Celery	Parsley	Tomatoes
Collards	Peas	Watermelons
Cucumbers	Peppers	Winter Squash

Broadcast 14-28 lbs. per acre just prior to planting. Work into soil 2-3 inches to control surface cutworms, 3-6 inches to control subterranean cutworms.

Potatoes: Broadcast 14-28 lbs. per acre before planting. Work into soil 4-6 inches.

Garden Symphylans (Centipedes)

Cabbage	Pole Beans	Tomatoes
Carrots	Radishes	Turnips
Lettuce	Red Beets	
Peas	Snap Beans	

Broadcast 70 lbs. per acre just prior to planting. Work into soil 4-8 inches. This preplant treatment will also control other soil insects such as cutworms (surface and subterranean), mole crickets, root maggots, and wireworms.

Mole Crickets

Broccoli	Endive (escarole)	Radishes
Brussels Sprouts	Kale	Tomatoes
Cabbage	Lettuce	Turnips
Cauliflower	Mustard	
Collards	Peppers	

Apply 7 lbs. per acre when insects are present. Make application to plant beds or fields 1-2 days prior to sowing of seed or transplanting and work into soil 1-2 inches.

Lesser Cornstalk Borers

Beans (Lima, Pole, Snap): Apply 7-14 lbs. per acre in a 6-inch band centered over the row. Apply when plants are 1/2-1 inch tall.

Wireworms

Broccoli	Endive (escarole)	Pole Beans
Brussels Sprouts	Kale	Snap Beans
Cabbage	Lettuce	Spinach
Cantaloupes	Lima Beans	Summer Squash
Carrots	Muskmelons	Sweet Potatoes
Cauliflower	Onions	Swiss Chard
Celery	Parsley	Tomatoes
Collards	Peas	Watermelons
Cucumbers	Peppers	Winter Squash

Broadcast 21-28 lbs. per acre just prior to planting. Work into soil 4-8 inches.

Potatoes: Broadcast 21-42 lbs. per acre before planting. Work into soil 4-8 inches or apply 7-21 lbs. per acre at planting, placing D-z'n Diazinon 14G in bands 3-6 inches deep along both sides of row.

Sweet Potatoes (Southeastern U.S.): Broadcast 21 lbs. per acre over the tops of vines when roots begin to enlarge.

Small Fruit Insects

Strawberries

Mole Crickets: Apply 7 lbs. per acre when insects are present. Make application to plant beds or fields 1-2 days prior to transplanting and work into soil 1-2 inches.

Lawn Insects

Lawn Chinch Bugs: Apply 1/2-1 lb. per 1,000 sq. ft. (2 1/2-5 lbs. per 5,000 sq. ft.) and brush lawn to work granules down to the soil surface. Water lawn thoroughly after application. Repeat application in 7-10 days if necessary. For longer residual control and on dense growing turf such as St. Augustine grass, use 1-1 1/2 lbs. per 1,000 sq. ft. (5-7 1/2 lbs. per 5,000 sq. ft.).

Billbugs; White Grubs such as Japanese

Beetle Larva, European Chafer, and Southern Chafer: Apply 1 lb. per 1,000 sq. ft. of lawn. Water grass thoroughly after application. For grub control make application any time between late July and early October. For billbug control apply when activity is first observed or when chewed or brown grass is present, indicating damage from this insect.

Hyperodes Weevil (New York only): Apply 3/4 lb. per 1,000 sq. ft. of grass. Water grass thoroughly after application. Treat problem areas in mid-April and again in mid-May.

Caution

Keep out of reach of children.

Harmful if swallowed. Avoid contamination of food and feed. Do not store near food or feed products. Avoid inhalation of dust. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. May be absorbed through skin.

Fish and Wildlife Caution

This product is toxic to fish and wildlife. Keep out of lakes, streams, or ponds. Birds feeding on treated areas may be killed. Apply this product only as specified on this label.

Do not reuse container. Destroy it by burying or burning. Avoid smoke or fumes.

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