

100-469

2/14/2001

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

FEB 14 2001

Ms. Carolyn Brinkley
Syngenta Crop Protection, Inc.
P.O. Box 18300
Greensboro, NC 27419-8300

Dear Ms. Brinkley:

Subject: Amendment - delete Beans, Celery, Cucumbers, Parsley, Peas, Peppers, Potatoes, Spinach, Squash (summer and winter), Sweet potatoes, Swiss Chard, Tomatoes, and Turnips and add/modify text as required by December 5, 2000 MOA; update First Aid section per PR Notice 2001-1 D.z.n diazinon 14G
EPA Registration Number 100-469
Your submission dated January 12, 2001

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. In the First Aid section, revise the last point of the If swallowed advice to read "Do not give anything by mouth to an unconscious or convulsing person."
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 Branch
Registration Division (7505C)

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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 use outdoors to control certain soil insects including wireworms, cutworms, and other crop pests

50 Pounds
Net Weight

Active Ingredient:

Diazinon: O,O-Diethyl O -(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate	14.3%
<hr/> Inert Ingredients:	<hr/> 85.7%
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. 51285

**ACCEPTED
with COMMENTS
In EPA Letter Dated:
FEB 14 2001**

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

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, Inc. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and Buyer and User assume the risk of any such use. SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall SYNGENTA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

DIRECTIONS FOR USE

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

Reformulation or repacking of this product is prohibited.

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 WEED CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.

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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 **First Aid** section of this label.

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 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

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.

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Crop	Pest	Rate	Timing/Special Directions
Beets, Red (Table)	Cutworms	14-28 lbs./A	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs./A	One to two days before planting, broadcast and immediately incorporate into soil.
	Wireworms	21-28 lbs./A	Broadcast and incorporate into soil just before planting.
Broccoli	Root Maggots	14-21 lbs./A	Broadcast and incorporate into soil just before planting.
	Cutworms	14-28 lbs./A	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs./A	One to two days before planting, broadcast and immediately incorporate into soil.
	Wireworms	21-28 lbs./A	Broadcast and incorporate into soil just before planting.

Crop	Pest	Rate	Timing/Special Directions
Brussels Sprouts	Root Maggots	14-21 lbs./A	Broadcast and incorporate into soil just before planting.
	Cutworms	14-28 lbs./A	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs./A	One to two days before planting, broadcast and immediately incorporate into soil.
	Wireworms	21-28 lbs./A	Broadcast and incorporate into soil just before planting.
Cabbage	Root Maggots	14-21 lbs./A	Broadcast and incorporate into soil just before planting.
	Cutworms	14-28 lbs./A	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs./A	One to two days before planting, broadcast and immediately incorporate into soil.
	Wireworms	21-28 lbs./A	Broadcast and incorporate into soil just before planting.

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Crop	Pest	Rate	Timing/Special Directions
Carrots	Root Maggots	14-21 lbs./A	Broadcast and incorporate into soil just before planting.
	Cutworms	14-28 lbs./A	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs./A	One to two days before planting, broadcast and immediately incorporate into soil.
	Wireworms	21-28 lbs./A	Broadcast and incorporate into soil just before planting.
Cauliflower	Root Maggots	14-21 lbs./A	Broadcast and incorporate into soil just before planting.
	Cutworms	14-28 lbs./A	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs./A	One to two days before planting, broadcast and immediately incorporate into soil.
	Wireworms	21-28 lbs./A	Broadcast and incorporate into soil just before planting.

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Crop	Pest	Rate	Timing/Special Directions
Collards	Cutworms	14-28 lbs./A	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs./A	One to two days before planting, broadcast and immediately incorporate into soil.
	Wireworms	21-28 lbs./A	Broadcast and incorporate into soil just before planting.
Endive (Escarole)	Cutworms	14-28 lbs./A	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs./A	One to two days before planting, broadcast and immediately incorporate into soil.
	Wireworms	21-28 lbs./A	Broadcast and incorporate into soil just before planting.
Ginseng	Cutworms, Climbing cutworms, Wireworms, White grubs	14-28 lbs./A	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./A	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.

Crop	Pest	Rate	Timing/Special Directions
Kale	Cutworms	14-28 lbs./A	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs./A	One to two days before planting, broadcast and immediately incorporate into soil.
	Wireworms	21-28 lbs./A	Broadcast and incorporate into soil just before planting.
Lettuce	Cutworms	14-28 lbs./A	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs./A	One to two days before planting, broadcast and immediately incorporate into soil.
	Wireworms	21-28 lbs./A	Broadcast and incorporate into soil just before planting.
Melons (Cantaloupes, Casabas, Crenshaws, Honeydew, Musk- melons, Persians, and Hybrids of these) and Water- melons	Cutworms	14-28 lbs./A	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28 lbs./A	Broadcast and incorporate into soil just before planting.

Crop	Pest	Rate	Timing/Special Directions
Mustard	Mole Crickets	7 lbs./A	One to two days before planting, broadcast and immediately incorporate into soil.
Onions (Bulb and Green)	Onion Maggots	14-28 lbs./A	Broadcast just before planting and incorporate into the top 3-4 inches of soil. Note: Diazinon will not control organophosphate resistant onion maggots.
	Wireworms	21-28 lbs./A	Broadcast and incorporate into soil just before planting.
Radishes	Mole Crickets	7 lbs./A	One to two days before planting, broadcast and immediately incorporate into soil.
	Root Maggots	14-21 lbs./A	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28 lbs./A	Broadcast and incorporate into soil just before planting.
Rutabagas	Mole Crickets	7 lbs./A	One to two days before planting, broadcast and immediately incorporate into soil.
	Wireworms	21-28 lbs./A	Broadcast and incorporate into soil just before planting.

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Crop	Pest	Rate	Timing/Special Directions
Sweet Corn	Cutworms	14-28 lbs./A	Broadcast and incorporate into soil just before planting.
	Seed Corn Maggots	14-28 lbs./A	Broadcast just before planting and incorporate into the top 2 inches of soil.
	Wireworms	21-28 lbs./A	Broadcast and incorporate into soil just before planting.

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.

Crop	Pest	Rate	Timing/Special Directions
Sugar Beets	Sugar Beet Root Maggots	7-14 lbs./A or 4.7- 9.4 oz./ 1,000 linear ft. of row	Apply in a 5 to 7-inch band (based on 22" row spacing) incorporated 2-3 inches at planting.
	Wireworms	21-28 lbs./A	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.

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.

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PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

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

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

FIRST AID	
This product contains diazinon, an organophosphate insecticide that inhibits cholinesterase	
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have a person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
In the event of a major fire, spill, or other emergency call 1-800-888-8372 day or night.	
NOTE TO PHYSICIAN	
This product contains, diazinon, an organophosphate that inhibits cholinesterase. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal, but should be administered 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.

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 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 water(s).

D•z•n® trademark of Syngenta

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Syngenta Crop Protection, Inc.
Greensboro, North Carolina 27419

SCP 469A-L1HH 0100¹

[LABELD/WORD/S-DZN DIAZ 14G-A] – bb – 1-12-01

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.

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.

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Revised 8/18/92 - proposed 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 - CGA 1L60EE 123

Revised 5/23/95 - added rutabagas, changed
© date

Revised mole cricket language
EPA approved 4/19/96
CGA 1L60FF 056

Revised 3/14/97 - changed Ciba to Syngenta

Revised 1/9/01 – to comply with 12/1/00 letter to EPA
on ag uses and to convert to Syngenta, revised First
Aid statements per PR Notice 2001-1

[LABELD/WORD/S-DZN DIAZ 14G-A] – bb – 1-12-01