

2935-408

11/23/2001

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Ms. Linda Pearce  
Wilbur-Ellis Company  
191 W. Shaw Ave, #107  
Fresno, CA 93704

NOV 23 2001

Dear Ms. Pearce:

Subject: Amendment - Comply with 2000 Diazinon MOA;  
Delete Beans, Celery, Cucumbers, Parsley,  
Peas, Peppers, Potatoes, Summer Squash,  
Winter Squash, Sweet Potatoes,  
Swiss Chard, and Turnips;  
Update First Aid per PR Notice 2001-1; and  
Update CSF/replacement diazinon source  
Diazinon 14G  
EPA Registration Number 2935-408  
Your submission dated June 18, 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. Under the heading DIRECTIONS FOR USE, slightly revise the reformulation prohibition to read "Reformulation or repackaging of this product is prohibited."
  - b. Under the heading Vegetable Crops, revise "For application by ground equipment only, do not apply this product to food crops grown in greenhouses." to read "For application by ground equipment only. Do not apply this product in greenhouses."
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.

The Basic Confidential Statement of Formula (CSF) dated June 12, 2001 which identifies a replacement diazinon source Manufacturing Use Product is acceptable and has been added to this product's registration file.

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.



# DIAZINON 14G

ACCEPTED  
with COMMENTS  
by EPA Letter Dated:

NOV 23 2001

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under FIFRA Act No. 2935-408

## GRANULAR INSECTICIDE ORGANOPHOSPHATE

**For outdoors to control certain soil insects including wireworms, cutworms and other crop pests.**

Active Ingredient: Diazinon: O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate, CAS # 333-41-5 ..... 14.3%  
Other Ingredients: ..... 85.7%  
Total: ..... 100.0%

Diazinon 14G is a granular insecticide.  
EPA Reg. No. 2935-408 EPA Est. No. 66196-CA-01  
**NET CONTENTS: 50 LBS.**

### 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. Do not store near food or feed products. Do not contaminate ornamental fish ponds.

### 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 waters.

### 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.

### 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.  
**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.

## KEEP OUT OF REACH OF CHILDREN CAUTION

**FIRST AID**  
This product contains diazinon, an organophosphate insecticide that inhibits cholinesterase.  
Have the product container or label with you when calling a poison control center or doctor or going for treatment.

- If Swallowed:**
  - 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 or convulsing person.
- If in Eyes:**
  - 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:**
  - Move person to fresh air.
  - If a 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:**
  - 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.

For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (spill, Leak, Fire or Accident)  
Call CHEMTREC: (800) 424-9300

**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 (PPE)**

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.

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

**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.

**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.**

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.

**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 at 1-800-424-9300, day or night.

**Notice:** The statements made on this label are believed to be true and accurate, but because of conditions of use which are beyond our control, WILBUR-ELLIS COMPANY does not make, nor does it authorize any agent or representative to make, any warranty, guaranty or representation, expressed or implied, concerning this material or the use thereof, except in conformity with the statements on the label. Neither WILBUR-ELLIS COMPANY nor the seller shall be held responsible in any manner for any personal injury or property damage or loss resulting to the buyer or to the other person from handling, storage or use of this material, not in accordance with directions. The buyer assumes all risk and liability resulting from improper handling, storage or use and accepts and uses this material on these conditions.

WILBUR-ELLIS Logo and IDEAS TO GROW WITH are registered trademarks of WILBUR-ELLIS COMPANY.

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR WEED 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.

**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.

FOR APPLICATION BY GROUND EQUIPMENT ONLY. DO NOT APPLY THIS PRODUCT IN GREENHOUSES.

**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 re spilled during loading or are visible on soil surface in turn areas.

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 to food crops grown in greenhouses.

**NOTE: SOIL INCORPORATION** - 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.

**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.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Beets, Red (Table)	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into 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 soil just before planting.
Broccoli	Root Maggots	14-21 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into 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 soil just before planting.
Brussels Sprouts	Root Maggots	14-21 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into 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 soil just before planting.
Cabbage	Root Maggots	14-21 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into 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 soil just before planting.
Carrots	Root Maggots	14-21 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into 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 soil just before planting.
Cauliflower	Root Maggots	14-21 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Collards	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into 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 soil just before planting.
Endive (Escarole)	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into 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 soil just 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.
Kale	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.

**NOTE:** Do not apply more than once per growing season. Do not apply within 12 months of harvest.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Kale <i>Continued</i>	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 soil just before planting.
Lettuce	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into 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 soil just before planting.
Melons (Cantaloupes, Casabas, Crenshaws, Honeydew, Muskmelons, Persians and Hybrids of these) and Watermelons	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into 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 (Bulb and Green)	Onion Maggots	14-28 lbs. per acre	Broadcast just before planting and incorporate into the top 3-4 inches of soil. <b>NOTE:</b> Diazinon will not control organophosphate-resistant onion maggots.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Radishes	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 soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Sweet Corn	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Seed Corn Maggots	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Tomatoes	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into 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 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.

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 4.7-3.4 oz. 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.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into the soil 4-8 inches just before planting.

**IN CASE OF EMERGENCY CALL CHEMTREC: (800) 424-9300**

**Manufactured for:  
WILBUR-ELLIS COMPANY  
P.O. BOX 16458 - FRESNO CA 93755**