

Reg # 10107-20 PM - 13

File
196



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MAY 26 1994

TOM KOHMETSCHER
CORN BELT CHEMICAL COMPANY
BOX 410
MCCOOK, NE. 69001

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 04/10/94 Response to PR Notice 93-7
EPA Reg. No. 10107-20
DIAZINON 14G GRANULAR INSECTICIDE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

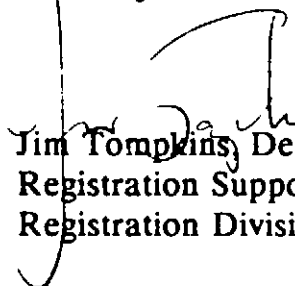
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

Tom Kohmetscher
CORN BELT CHEMICAL COMPANY
BOX 410
MCCOOK NE 69001

Comment for: EPA Reg Nr.10107-20
DIAZINON 14G GRANULAR INSECTICIDE

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

User Safety Recommendations must either be placed in a box or printed on the label in a contrasting color from surrounding text.

The Agricultural Use Requirements section must be located in a clearly separate box on the product labeling -- with lines or other graphic indicators (such as contrasting color) to separate the section from the surrounding text.

The following statement on your proposed label is not required for this product: "Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas." Delete it from the Agricultural Use Requirements box.

The glove requirement for early entry in the Agricultural Use Requirements box on your proposed labeling is missing or incorrect. Remove the incorrect requirement (if any) and add "Waterproof gloves". The exact location is shown in Sections F and G on Part 2 of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

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DIAZINON® 14-G

ORGANOPHOSPHATE

Granular Insecticide

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

FOR CONTROL OF CERTAIN SOIL INSECTS INCLUDING WIREWORMS, CUTWORMS, AND OTHER CROP PESTS.

ACTIVE INGREDIENT:

O, O-dimethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate 14.3 %

INERT INGREDIENTS: 85.7 %

TOTAL 100.0 %

Diazinon 14G is a granular insecticide.

KEEP OUT OF REACH OF CHILDREN

CAUTION

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.

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.

Precautionary Statement

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers (other than mixers and loaders) must wear:

- Long-sleeved shirt and long pants.
- Shoes with socks.
- Chemical-resistant gloves.
- Chemical-resistant apron or coveralls.

BEST AVAILABLE COPY

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 used in accordance with the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (29 CFR 1629.10 (4-6)), the minimum PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

USERS SHOULD Wash hands before eating, drinking, 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 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 area. 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.

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 material.

ACTIVE INGREDIENT:	O, O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate	14.3 %
INERT INGREDIENTS:	85.7 %
TOTAL	100.0 %

Diazinon 14G is a granular insecticide.

KEEP OUT OF REACH OF CHILDREN CAUTION

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.

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.

Precautionary Statement

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers (other than mixers and loaders) must wear:

- Long-sleeved shirt and long pants
- Washable gloves
- Shoes with socks

Mixers and loaders must wear:

- Long-sleeved shirt and long pants
- Washable gloves
- Shoes with 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, enclosed cabs, or other engineering controls, the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 155.110 (4-5)) and related 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 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 area. 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.

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 1-800-424-9300 day or night.

® Diazinon is a registered trademark of Ciba Geigy Corporation.

EPA Reg. No. 10107-20

EPA Est. No. 10107-NB-1

BEST AVAILABLE COPY
SEE ADDITIONAL DIRECTIONS ON BACK PANEL

NET WEIGHT: 25 POUNDS

Manufactured for
Cornbelt Chemical Company
P.O. Box 410
McCook, Nebraska 69001

ACCEPTED
with COMMENTS
in EPA Letter Dated

MAY 26 1994

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
10107-20

DIAZINON® 14-G

Granular Insecticide

DIRECTIONS FOR USING DIAZINON 14-G

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 CORNBELT, or the Seller. All such risks shall be assumed by the Buyer.

CORNBELT 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. CORNBELT makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall CORNBELT or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. CORNBELT and the Seller offer the 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 CORNBELT.

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 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.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. 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 the labeling and with the Worker Protection Standard, 48 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and handlers of agricultural pesticides. It also contains requirements for training, safety, and health care. It applies to all agricultural pesticides and all agricultural pesticides treated areas. If there will be no direct application by workers, then the requirements of the Worker Protection Standard do not apply. For more information on this standard, contact your State or Tribal Pesticide Applicator or the National Pesticide Information Center (NPIC), 1-800-858-7373. For more information on the Worker Protection Standard, contact your State or Tribal Pesticide Applicator or the National Pesticide Information Center (NPIC), 1-800-858-7373.

Failure to follow all precautions on this label may result in poor insect 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.

Note: Soil Incorporation - Unless directions under "Timing/Special Directions" state otherwise for control of pests listed below Diazinon 14G should be incorporated into the soil during or immediately after application.

BEST AVAILABLE COPY

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	4-6 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 soil just before planting.
	Wireworms	21-28 lbs. per acre	
	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.
Beets, Red (Table)	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.
Broccoli	Root Maggots	14-21 lbs. per acre	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.
Brussels Sprouts	Root Maggots	14-21 lbs. per acre	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.
Cabbage	Root Maggots	14-21 lbs. per acre	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.
Carrots	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Cucumber	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
Endive (Escarole)	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days 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 using 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	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz. per 500 sq. ft.	
	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
Lettuce	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz. per 500 sq. ft.	
	Mole Cricket	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
Melons (Cantalope, Casabas, Crisshaw's, Honeydew, Muskmelons, Persian, & Hybrids of these and Watermelons)	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz. per 500 sq. ft.	
Mustard	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
	Onion (Green and)	Onion Maggots	7-14 oz. per 500 sq. ft.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Potatoes	Cutworms (Surface & Subterranean)	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
NOTE: Do not use on commercially-grown potatoes which will be hand-harvested.			
Raspberries	Root Maggots	10 1/2-14 lb. per acre	Apply in the seed burrow at planting (2 1/2-1 1/2 oz. per 1,000 linear ft. of row).
	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.
Spinach	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
Squash Summer and Winter	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
Sweet Corn	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
Sweet Potatoes	Seed Corn Maggots	14-28 lbs. per acre	Broadcast just before planting and mix into the soil 2 inches.
	Wireworms	10 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting Southeastern U.S. Broadcast 10 1/2 oz. per 500 sq. ft. over the tops of vines when roots begin to enlarge, but do not mix into soil.
Swiss Chard	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
	Wireworms	10 1/2-14 oz. per 500 sq. ft.	
Tomatoes	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz. per 500 sq. ft.	
Turnips	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
	Wireworms	10 1/2-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.

FIELD CROPS

liable for consequential, special, or indirect damages resulting from the use or handling of this product. CORNBELT and the Seller offer this product, and the Buyer and use 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 CORNBELT.

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 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.

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 FAILURE TO FOLLOW ALL PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT 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.

Note: Soil Incorporation - Unless directions under "Timing/Special Directions" state otherwise, for control of pests listed below Diazinon 14G should be incorporated into the soil during or immediately after application.

BEST AVAILABLE COPY

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
Beans (Pole, Snap or Lima) (succulent varieties only)	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28 lbs. per acre	
	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.
Beets, Red (Table)	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.
Broccoli	Root Maggots	14-21 lbs. per acre	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.
Brussels Sprouts	Root Maggots	14-21 lbs. per acre	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.
Cabbage	Root Maggots	14-21 lbs. per acre	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.
Carrots	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.
Cauliflower	Root Maggots	14-21 lbs. per acre	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
	Root Maggots	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.
Celery	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
Cauliflower	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
	Root Maggots	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Cucumber	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
Endive (Escarole)	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days 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 tillage 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	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz. per 500 sq. ft.	
	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
Lettuce	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz. per 500 sq. ft.	
	Mole Cricket	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
Melons (Cantalope, Casaba, Cranberry Honeydew, Muskmelon, Persimons & Hybrids of these and Watermelons)	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz. per 500 sq. ft.	
Mustard	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
Onions (green and bulb)	Onion Maggots	7-14 oz. per 500 sq. ft.	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 organo-phosphate-resistant onion maggots.
	Wireworms	10 1/2-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Peas	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz. per 500 sq. ft.	
Peppers	Cutworms	7-14 oz. per acre	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz. per acre	
Pumpkins	Cutworms	7-14 oz. per acre	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz. per acre	
Squash	Cutworms	7-14 oz. per acre	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz. per acre	
Tomatoes	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz. per 500 sq. ft.	
Turnips	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
	Wireworms	10 1/2-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Potatoes	Cutworms (Surface & Subterranean)	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
NOTE: Do not use on commercially-grown potatoes which will be hand-harvested.			
Raspberries	Root Maggots	10 1/2-14 lb per acre	Apply in the seed burrow at planting (2 1/2 - 1 1/2 oz per 1,000 linear ft. of row)
	Mole Crickets	7 lbs. per acre	Broadcast and mix into soil 1-2 days before planting.
Spinach	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
Squash, Summer and Winter	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
Sweet Corn	Cutworms	14-28 lbs. per acre	Broadcast and mix into soil just before planting.
	Wireworms	21-28 lbs. per acre	
Sweet Potatoes	Seed Corn Maggots	14-28 lbs. per acre	Broadcast just before planting and mix into the soil 2 inches.
	Wireworms	10 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting. Southeastern U.S. Broadcast 10 1/2 oz. per 500 sq. ft. over the tops of vines when roots begin to enlarge, but do not mix into soil.
Swiss Chard	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
	Wireworms	10 1/2-14 oz. per 500 sq. ft.	
Tomatoes	Cutworms	7-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz. per 500 sq. ft.	
	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
Turnips	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1-2 days before planting.
	Wireworms	10 1/2-14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.

FIELD CROPS

Diazinon 14G should be applied uniformly as directed before each crop. Observe stated time intervals between applications and maximum number of applications per season.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Sugar Beets	Sugar Beet Root Maggots	7-14 lbs. per acre or 4-7.94 oz. per 1,000 linear ft. of row	Apply in a 5-7 inch band (based on 27 row spacing) or incorporate 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 post emergence, when adult maggot infestation is low.
Soybeans	Cutworms	7-14 lbs. per acre	If a second application is necessary, apply 7-10 lbs. per acre in a 5-7 inch band (based on the width of 22 inches) or 4-7.94 oz. per 1,000 linear feet of row in a 5-7 inch band directly over the row.
	Wireworms	10 1/2-14 oz. per acre	Do not allow Diazinon 14G to contact the seed or roots, if it occurs.
Wheat	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into the soil 4-8 inches and before planting.
			NOTE: Do not apply more than 28 lbs. of Diazinon 14G per acre to the soil per year.
Sugarbeet (FL only)	Wireworms	28 lbs. per acre	At planting, apply in a 12 inch band over the open furrow directly to seed pieces.