

447889

Ms. Judy Oldham
Helena Chemical Company
6075 Poplar Avenue, Suite 500
Memphis, TN 38119

SEP 13 1993

Dear Ms. Oldham:

Subject: Amendment - Revise per Agency letter
dated August 2, 1993
Diazinon 14G Granular Insecticide
EPA Reg. No. 5905-262
Your submission dated August 24, 1993

The amendment referred to above, submitted in connection with a registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable and a stamped copy of the label is enclosed for your records.

Please incorporate the following revisions when preparing your actual finished labeling:

- 1) In the ingredients statement, revise **ACTIVE INGREDIENTS** to **ACTIVE INGREDIENT**, since there is only one.
- 2) In the crop listing for melons and watermelons, relocate the closing parenthesis mark to appear after "of these" rather than after "watermelons". The hybrids referred to are hybrids of the named melon varieties, not hybrids of melons and watermelons.

Labeling released for shipment after the deadline imposed by the Diazinon Registration Standard, as amended, must be the revised amended label.

Note that this acceptance of your label does not relieve you of your obligation to comply with the Worker Protection Standard. If any of your products are covered by this standard, you are required to submit, and receive the Agency's approval by April 21, 1994, a revised label reflecting the required label statements of 40 CFR 156, published in the **FEDERAL REGISTER** on

August 21, 1992 (57 FR 38102). For further guidance, please refer to PR Notice 93-7. According to 40 CFR 156, subpart K, "No product to which this subpart applies shall be distributed or sold without amended labeling by any registrant after April 21, 1994. Please call 1-800-777-2185 if you have any labeling questions regarding the Worker Protection Standard.

Sincerely,

George T. LaRocca
Product Manager (13)
Insecticide Rodenticide Branch
Registration Division (H7505C)

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 GRANULAR INSECTICIDE

For Control of Certain Soil Insects Including Wireworms, Cutworms, and Other Crop Pests

ACTIVE INGREDIENTS:
 Diazinon: 0,0-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 OR REACH OF CHILDREN

CAUTION

See Additional Precautionary Statements and Directions for use on side of bag.

EPA Reg. No.: 5905-262
 EPA Est. No.:

NET CONTENTS:

ACCEPTED
 SEP 13 1993
 Under the Federal Insecticide,
 Fungicide, and Rodenticide Act,
 as amended, for the pesticide
 registered under
 EPA Reg. No.

MANUFACTURED BY
 HELENA CHEMICAL COMPANY
 MEMPHIS, TN 38119

**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 plenty of soap and water. Rinse thoroughly. Get medical attention.

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 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. Avoid overlapping granules. Collect or incorporate granules that are spilled during loading or are visible on 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.

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

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night.

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.

PERSONAL PROTECTIVE EQUIPMENT

Long-sleeved shirt, long-legged pants, shoes and socks, and chemical-resistant gloves.

Do not apply this product in a way that will contact unprotected workers, either directly or through drift. Only protected handlers may be in the area during application.

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.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL, MAY RESULT IN POOR INSECT CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.

Unless directions under Timing/Special Direction 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

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 Incorporated table that follows:
2. Cover or incorporate spilled granules.

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, for control of pests listed below **Diazinon 14G** should be incorporated into the soil during or immediately after

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application.

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.

BEANS (LIMA, POLE, AND SNAP) (succulent varieties only): 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.

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 or transplanting. 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 or transplanting. 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: 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 plant beds or fields 1-2 days before sowing of

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seed or transplanting. **Wireworms** - 21-28 lbs. per acre. Broadcast and incorporate into soil just before planting.

CELERY: 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.

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.

CUCUMBERS: 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.

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. **Cutworms, Climbing Cutworms, Wireworms, White Grubs** - 21 lbs. per acre. When soil insects damage appears in established beds, broadcast in the Spring or late Summer through early Fall. Incorporate mechanically with ½ inch of irrigation.

NOTE: 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 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.

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 (CANTALOUPE, CASABAS, CRENSHAW, 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. **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. **NOTE:** Diazinon will not control organophosphate-

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resistant onion maggots. **Wireworms** - 21-28 lbs. per acre. Broadcast and incorporate into soil just before planting.

PARSLEY: **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.

PEAS (succulent varieties only): **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.

PEPPERS: **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.

POTATOES: **Cutworms (Surface and Subterranean)** - 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.

Note: Do not use on commercially-grown potatoes which will be hand harvested.

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.

SQUASH (SUMMER AND WINTER): **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 just before planting and incorporate into the soil 2 inches. **Wireworms** - 21-28 lbs. per acre. Broadcast and incorporate into soil just before planting.

SWEET POTATOES: **Wireworms, Flea Beetles** - 21 lbs. per acre. Broadcast and incorporate into soil just before planting.

SWISS CHARD: **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.

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.

TURNIPS: **Mole Crickets** - 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1-2 days

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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.

SUGAR BEETS: Sugar Beet Root Maggots - 7-14 lbs. per acre or 4.7 - 3.4 oz. per 1000 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.

NOTE: Do not apply more than 28 lbs. Diazinon 14G per acre to the soil per season.

CONDITIONS OF SALE - LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions, the failure to follow the label directions, or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man, or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product is a claim for damage and in no event shall damages or any other recovery of any kind against the Company exceed the price of the product which causes the alleged loss, damage, injury, or other claim. The Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income.

The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability, and remedies.

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