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Systems Integration Group, Inc.

PM 03

8660-95

05/25/99

**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.**

Vertagreen® diazinon 14G

GRANULAR INSECTICIDE

For control of 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%

Inert Ingredients: 85.7%

Total: 100.0%

EPA Reg. No. 8660-95

EPA Est. 8660-FL-1

Vertagreen 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.

ACCEPTED

MAY 25 1999

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 8660-95



PURSELL
INCORPORATED 1904

PURSELL INDUSTRIES, INC.
PO Box 540 • 201 West 4th Street
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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 Pursell Industries, Inc. or the Seller. All such risks shall be assumed by the Buyer.

PURSELL 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. **PURSELL makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall PURSELL or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product.** PURSELL and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing **Conditions of Sale and Warranty**, which may be varied only by agreement in writing signed by a duly authorized representative of PURSELL.

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 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.

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 Vertagreen 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.

VEGETABLE CROPS

<p align="center">SPECIAL PRECAUTIONS TO REDUCE RISKS TO BIRDS</p> <p>Birds feeding on treated areas may be killed. To reduce risks to birds:</p> <ol style="list-style-type: none"> 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.
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Vertagreen 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 Vertagreen 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.

Crop	Pest	Rate	Timing/Special Directions
Beans (Lima, Pole, and Snap) (succulent varieties only)	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.
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.

Crop	Pest	Rate	Timing/Special Directions
Broccoli (cont.)	Wireworms	21-28 lbs./A	Broadcast and incorporate into soil just before planting.
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.

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.
Celery	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
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.
Cucumbers	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.
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.

Crop	Pest	Rate	Timing/Special Directions
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.

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.

Crop	Pest	Rate	Timing/Special Directions
Lettuce (Continued)	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.
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.

Crop	Pest	Rate	Timing/Special Directions
Parsley	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.
Peas (succulent varieties only)	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.
Peppers	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.
Potatoes	Cutworms (Surface & Subterranean)	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.

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

Crop	Pest	Rate	Timing/Special Directions
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.
Spinach	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.
Squash (Summer and Winter)	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
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.
Sweet Potatoes	Wireworms, Flea Beetles	21 lbs./A	Broadcast and incorporate into soil just before planting.
Swiss Chard	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.
Tomatoes	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
Turnips	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.

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.

Vertagreen 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 Vertagreen 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.

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

Statement of Practical Treatment

This product is an organophosphate.

If swallowed: Call a physician immediately. Drink 1 or 2 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: 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.

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 waters.

Vertagreen® trademark of Pursell Industries, Inc.

Manufactured by
Pursell Industries, Inc.
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