

8660-101

8/29/2001

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Ms. Tina Lazenby
Pursell Industries, Inc.
1500 Urban Center Parkway, Suite 520
Birmingham, AL 35242

AUG 29 2001

Dear Ms. Lazenby:

Subject: Amendment - Comply with 2000 Diazinon MOA,
Update First Aid per PR Notice 2001-1, and
Update CSF/replacement diazinon source
VertaGreen 5% Diazinon Insecticide
EPA Registration Number 8660-101
Your submission dated June 1, 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 **Environmental Hazards**, replace the sentence beginning "Where irrigation (watering)..." with the following two sentences: "For lawns, follow all watering instructions in the directions for use, however, stop watering before puddling occurs. For lawns, do not apply this product to sites occupied by waterfowl, or within 75 ft. of any body of water which may attract waterfowl, such as ponds or lakes."
 - b. Also in the **Environmental Hazards**, you may shorten the sentence "Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark." to just "Do not apply directly to water."
 - c. You might want to add an extra blank line between the end of the **Environmental Hazards** and the list of lawn claims so that the claims do not appear to be part of the Environmental Hazards.

- d. Directly under the heading "OVERALL LAWN APPLICATION", add the heading "Special Precautions to Reduce Risks to Birds". Then that heading and its associated 7 points should appear within an outline box.
 - e. Under the heading "VEGETABLES - INSECT CONTROL", the heading "Special Precautions to Reduce Risks to Birds" and its associated 2 points should appear within an outline box.
3. Submit three (3) copies of your final printed labeling before you release the product for shipment.
 4. Comply with all applicable provisions of the 2000 Memorandum of Agreement Regarding Pesticide Products Containing Diazinon (i.e., the Diazinon MOA). In accordance with the Diazinon MOA you have requested the following revisions to the conditions of registration for this diazinon product with only outdoor non-agricultural (i.e., home and garden) uses:
 - a. You have requested under section 6(f) of FIFRA that this registration be voluntarily canceled on a date not later than December 31, 2004.
 - b. You may not manufacture, label, or release for shipment this product after June 30, 2003.
 - c. You may not sell or distribute this product after August 31, 2003.
 - d. The registration for this product shall expire and be canceled on December 31, 2004.
 - e. You will send to every person who directly purchases this product (i.e., to every seller) a notification of Product Recovery Program to be conducted by Syngenta and Makhteshim after December 31, 2004.

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 May 30, 2001 and identifying your 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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ACCEPTED
with **COMMENTS**
In EPA Letter Dated:

AUG 29 2001

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
8660-101

(FRONT PANEL)

VERTAGREEN® 5% DIAZINON INSECTICIDE

Lawn & Garden Insect Control

This product must not be used on golf courses and sod farms.

For outdoor use on the home lawn and in the home garden only.

Ready to Use Granules. Contains 5% Diazinon Insecticide

AIDS IN THE CONTROL OF FIRE ANTS

Treats Up To 5,000 Sq. Ft

ACTIVE INGREDIENT:

Diazinon [O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate] 5.00%

INERT INGREDIENTS 95.00%

Total 100.00%

KEEP OUT OF REACH OF CHILDREN**CAUTION**

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. No. 8660-101

EPA Est. No. 8660-FL-1

Back Panel

PRECAUTIONARY STATEMENTS**HAZARDS TO HUMANS AND DOMESTIC ANIMALS****CAUTION**

Harmful if swallowed or absorbed through skin. Causes moderate eye injury. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating or smoking. Do not store near food or feed products. Food utensils such as spoons or measuring cups must not be used for food purposes after use in measuring pesticides. Do not contaminate ornamental fishponds. Do not allow children or pets on those treated areas until granules have been watered into the soil and the grass or soil is dry.

FIRST AID The table below describes the first aid procedures for incidents involving VertaGreen 5% Diazinon Insecticide

In the case of accidental ...	Immediately ...
Swallowing	<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 or convulsing person.
Inhalation of dust	<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 further treatment advice.
On Skin	<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.
Contact with 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.

Hotline Number

In the event of a major fire, spill or other emergency, call 1-800-874-8892.

Note: When calling a poison control center, have this product label accessible. If advised to seek treatment at an emergency room or doctor's office, bring this product label to show medical personnel.

Active Ingredient: Diazinon, CAS # 333-41-5

NOTE to DOCTOR: This product is an organophosphate that inhibits cholinesterase. 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.

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ENVIRONMENTAL HAZARDS

This product is highly toxic to birds, fish, and other wildlife. Birds, especially waterfowl, (ducks or geese) feeding or drinking on treated areas may be killed. Because of the migratory habits of certain Atlantic Coast waterfowl, do not apply this product to lawns in Nassau County, New York, between November 1 and May 20. Do not exceed maximum permitted label rates. Application rates above those recommended significantly increase potential hazards to birds. Avoid overlapping of granules. Where irrigation (watering) is recommended in the directions, or if waterfowl, i.e., ducks or geese, can be expected in the treated area after treatment (except spot treatment), water lawn with at least 1/4 inch of water immediately after applying this product, however, stop watering before puddling occurs. 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.

In Lawns VertaGreen 5% Diazinon Insecticide Kills: Ants Armyworms, Bermudagrass Mites, Billbugs, Brown Dog Ticks, Chiggers, Chinch Bugs, Crickets, Cutworms, Earwigs, Fire Ants*, Fleas, Onion Maggots, Sodwebworms, White Grubs of European Chafer, Japanese Beetle, Southern Chafer, Wireworms, and Others. *Aids in Control.

In Gardens VertaGreen 5% Diazinon Insecticide Kills: Cutworms, Mole Crickets, Onion Maggots, Root Maggots, Wireworms.

DIRECTIONS FOR USE

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

Reformulation or repackaging this product is prohibited.

OVERALL LAWN APPLICATION

Birds, especially waterfowl (ducks or geese) feeding or drinking on treated areas may be killed. To reduce risks to birds.

1. Do not treat areas larger than 15,000 sq. ft.
2. Because of the migratory habits of certain waterfowl, do not apply in Nassau County NY between November 1, and May 20.
3. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds, especially waterfowl.
4. Avoid overlapping treated areas.
5. Follow all watering instructions in the directions for use, however, stop watering before puddling occurs.
6. Do not apply this product to sites occupied by waterfowl or to sites within 75 ft. of any body of water that may attract waterfowl such as lakes or ponds.
7. If it is necessary to repeat application, wait a minimum of 3 weeks between applications. Make no more than 4 applications per year.

VertaGreen 5% Diazinon Insecticide controls certain lawn insects on both grass and dichondra lawns. Apply this product with a fertilizer spreader. Refer to the tables that follow for use rates and spreader settings.

PEST	RATE*	TIMING/SPECIAL DIRECTIONS
Ants, Armyworms, Bermudagrass mites, Brown Dog Ticks, Chiggers, Chinch bugs, Clover mites, Crickets, Cutworms, Earwigs, Fleas, Lawn moths (sod webworms), Leafhoppers, Millipedes Sowbugs (Pillbugs), Springtails (Collembola)	2 lbs. per 1,000 sq. ft.	Apply when grass is dry. Water lawn lightly after application. If necessary repeat application at 3 week intervals. Make no more than 4 applications per year.
Billbugs, White Grubs, of Japanese Beetle, European Chafers, Southern Chafers, Ataenius spretulus (Dung Beetle)	2 lbs. per 1,000 sq. ft.	Water grass at with at least 1/4 inch of water after application, however, stop watering before puddling occurs. For billbug control, apply when activity is first observed or when chewed grass indicates damage. If necessary, repeat application at 3-week intervals. Make no more than 4 applications per year. For grub control, except dung beetle, treat anytime between late July and early October. For dung beetle grub control, apply in spring or summer when damage is first noticed. Water grass with at least 1/4 inch of water after application, however, stop watering before puddling occurs. Treat again in late summer or early fall if second generation occurs.
Hyperodes weevils	2 lbs. per 1,000 sq. ft.	Water grass with at least 1/4 inch of water after application, however, stop watering before puddling

occurs. Treat problem areas in mid-April and again in mid-May.

*1,000 sq. ft. = an area 20 ft. X 50 ft.
100 sq. ft. = an area 10 ft. x 10 ft.
2 lbs./1,000 sq. ft. = 3.2 oz/100 sq. ft.

LAWN SPREADER SETTINGS*

NOTE: The spreader settings listed below are approximate. Accurately weigh a few pounds into your spreader and apply to a measured area. Then adjust the spreader setting, if necessary to ensure correct rate.

Spreader Settings: 2 lb./1,000 sq. ft.

Scott 4 Cyclone 3 ¾
Scott 4 ½ Cyclone 4
Scott 5 Cyclone 4 ¼

For application with other types of equipment, apply at the rate of 2 lbs. per 1,000 sq. ft.

LAWN SPOT TREATMENT

ANTS: Apply 1-1/2 tsp. of VertaGreen 5% Diazinon Insecticide over and around each ant hill.

FIRE ANTS: To aid in the control of fire ants in lawns and other outdoor home recreation areas apply ½ cup over, and 2 ft around each fire ant mound. Immediately after application, water in thoroughly. Apply gently to avoid disturbing ants. Use of high pressure watering equipment may disturb the ants and cause migration, reducing product effectiveness. A minimum of 1 gallon of water should be applied to each mound area. NOTE: For best results apply in cool weather, 65 to 80 F, or in early morning or late evening hours. Treat new mounds as they appear. Works within 24 hours. No waiting for days or weeks.

DIGGER WASPS: Apply 1-1/2 tsp. of VertaGreen 5% Diazinon Insecticide in and around each nest opening. Apply at dusk when wasps are not active.

BAND TREATMENT AROUND HOUSE FOUNDATION

The following pests are commonly found around or near house foundations and may enter the house. Ants, Brown Dog Ticks, Clover Mites, Earwigs, Fleas, Millipedes, Sowbugs (Pillbugs) and Springtails (Collembola). Apply a 2-foot band of VertaGreen 5% Diazinon Insecticide next to the house foundation. Distribute granules uniformly, using a rate of 3.2 ounces for each 100 sq. ft. of area (2 ft X 50 ft) treated. If necessary repeat application at 3 week intervals.

VEGETABLES – INSECT CONTROL

Special Precautions to Reduce Risk to Birds

Birds feeding on treated areas may be killed. To reduce risk to birds.

1. Thoroughly mix this product into the soil during or immediately after application. Refer to the soil incorporation table that follows.
2. Granules that are spilled or are visible on soil surface should be covered with soil or thoroughly mixed into the soil. VertaGreen 5% Diazinon Insecticide controls certain garden insects on crops listed in the following tables. Apply uniformly as directed for each crop. When a range of rates is given, use the higher rate only for heavier infestations. Do not apply this product to food crops grown in greenhouses. Unless directions under Timing/Special Directions state otherwise, applications for control of pests listed below should be thoroughly mixed into the soil during or immediately after application.

SOIL INCORPORATION

Insect	Depth of Mixing or Incorporating into Soil
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 type of cutworm cannot be identified mix into 4-6 inches deep.

Crop	Pest	Rate/Ounces per 500 sq. ft.	Timing/Special Directions
BEANS(Pole, Snap, or Limas, succulent only) Do not use on dried bean varieties, such as pintos, dried limas or navy beans	Cutworms	7-14 oz	Just before planting
	Wireworms	10 ½-14 oz	Just before planting

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BEETS Red (Table)	Cutworms Wireworms Mole Crickets	7-14 oz 10 ½ - 14 oz 3 ½ oz	Just before planting Just before planting 1-2 days before planting
BROCCOLI	Root Maggots Cutworms Wireworms Mole Crickets	7-10 ½ oz 7-14 oz 10 ½ - 14 oz 3 ½ oz	Just before planting or transplanting Just before planting Just before planting Just before planting
BRUSSELS SPROUTS	Root Maggots Cutworms Wireworms Mole Crickets	7-10 ½ oz 7-14 oz 10 ½ - 14 oz 3 ½ oz	Just before planting or transplanting Just before planting Just before planting 1-2 days before planting
CABBAGE	Root Maggots Cutworms Wireworms Mole Crickets	7-10 ½ oz 7-14 oz 10 ½ - 14 oz 3 ½ oz	Just before planting or transplanting Just before planting Just before planting 1-2 days before planting
CARROTS	Cutworms Wireworms Mole Crickets	7-14 oz 10 ½ - 14 oz 3 ½ oz	Just before planting Just before planting 1-2 days before planting
CAULIFLOWER	Root Maggots Cutworms Wireworms Mole Crickets	7-10 ½ oz 7-14 oz 10 ½ - 14 oz 3 ½ oz	Just before planting or transplanting Just before planting Just before planting 1-2 days before planting
COLLARDS	Cutworms Wireworms Mole Crickets	7-14 oz 10 ½ - 14 oz 3 ½ oz	Just before planting Just before planting 1-2 days before planting
CUCUMBER	Cutworms Wireworms	7-14 oz 10 ½ - 14 oz	Just before planting Just before planting
ENDIVE	Cutworms Wireworms Mole Crickets	7-14 oz 10 ½ - 14 oz 3 ½ oz	Just before planting Just before planting 1-2 days before planting
KALE	Cutworms Wireworms Mole Crickets	7-14 oz 10 ½ - 14 oz 3 ½ oz	Just before planting Just before planting 1-2 days before planting
LETTUCE	Cutworms Wireworms Mole Crickets	7-14 oz 10 ½ - 14 oz 3 ½ oz	Just before planting Just before planting 1-2 days before planting
MELON (Cantaloupes, Casabas, Crenshaws, Honeydew, Muskmelons, Persians & Hybrids of these and Watermelons)	Cutworms Wireworms	7-14 oz 10 ½ - 14 oz	Just before planting Just before planting
MUSTARD	Mole Crickets	3 ½ oz	1-2 days before planting
ONIONS (Bulb & Green) NOTE: Resistant Onion Maggots will not be controlled by diazinon or similar insecticides	Onion Maggots Wireworms	7-14 oz 10 ½ - 14 oz	Just before planting & mix into top 3 inches of soil Just before planting
PARSLEY	Cutworms Wireworms	7-14 oz 10 ½ - 14 oz	Just before planting Just before planting
PEAS (Succulent Only) NOTE: Do not use on dried pea varieties such as dried black-eyed peas.	Cutworms Wireworms	7-14 oz 10 ½ - 14 oz	Just before planting Just before planting
PEPPERS	Cutworms Wireworms Mole Crickets	7-14 oz 10 ½ - 14 oz 3 ½ oz	Just before planting Just before planting 1-2 days before planting
POTATOES	Cutworms (surface & subterranean) Wireworms	7-14 oz 10 ½ - 14 oz	Just before planting Just before planting
RADISHES	Mole Crickets	3 ½ oz	1-2 days before planting
SPINACH	Cutworms	7-14 oz	Just before planting

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	Wireworms	10 ½ - 14 oz	Just before planting
SQUASH (Summer / Winter)	Cutworms	7-14 oz	Just before planting
	Wireworms	10 ½ - 14 oz	Just before planting
SWEET CORN	Cutworms	7-14 oz	Just before planting
	Wireworms	10 ½ - 14 oz	Just before planting
	Sweet Corn	7-14 oz	Just before planting & mix into top 3-4 inches soil
	Maggots		
SWEET POTATOES	Wireworms	10 ½ - 14 oz	Just before planting
	Flea Beetles	10 ½ - 14 oz	Just before planting
SWISS CHARD	Cutworms	7-14 oz	Just before planting
	Wireworms	10 ½ - 14 oz	Just before planting
TOMATOES	Cutworms	7-14 oz	Just before planting
	Wireworms	10 ½ - 14 oz	Just before planting
	Mole Crickets	3 ½ oz	1-2 days before planting
TURNIPS	Wireworms	10 ½ - 14 oz	Just before planting
	Mole Crickets	3 ½ oz	1-2 days before planting

STORAGE AND DISPOSAL

STORAGE: Store in original container in a cool, dry well-ventilated area. Store product in an area inaccessible to children and domestic animals. Do not store near fertilizers, herbicides, other insecticides, seeds, food or feed. **PESTICIDE**

DISPOSAL: Securely wrap container in several layers of newspaper and discard in trash. **CONTAINER DISPOSAL:** Do not reuse empty bag. Discard bag in trash.

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 1-800-874-8892 day or night.

Notice: This product is not for use on plants being grown for sale or other commercial use or for commercial seed productions, or for research purposes. For use on plants intended for aesthetic purposes, or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds.

DIRECTIONS FOR USE AND CONDITIONS OF SALES 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, of 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 Industries, Inc 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 Industries, Inc makes no other express or implied warranty of Fitness or Merchantability or consequential, special or indirect damages resulting from the use or handling of this product. Pursell Industries, Inc 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 Industries, Inc

Net Wt. 10 lbs. (4.5 kg)

Manufactured by:

Pursell Industries, Inc
P O Box 540
Sylacauga, AL 35150

Date Printed: June 29, 2000

Date Approved:

Purpose: First Aid Statement