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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Mr. Russell Sawyer
Riverdale Chemical Company
1333 Burr Ridge Parkway, Suite 125A
Burr Ridge, IL 60521-0866

MAR - 7 2002

Dear Mr. Sawyer:

Subject: Amendment - Comply with 2000 Diazinon MOA;
Delete celery;
Update First Aid per PR Notice 2001-1; and
Update CSF/replacement diazinon source
Riverdale 5% Diazinon Insect Killer Granules
EPA Registration Number 228-177
Your submissions dated June 18, 2001 and
February 22, 2002 and your associated FAXs
dated October 5, 2001 and December 7, 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 second sentence of the directions for use on Fire Ants, correct "waterin" to "water in".
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 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 June 22, 2001 which identifies a replacement diazinon source Manufacturing Use Product is acceptable and has been added to this product's registration file.

Sincerely,

George T. LaRocca
Product Manager 13
Insecticide Branch
Registration Division (7505C)

RIVERDALE

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5% DIAZINON INSECT KILLER GRANULES

Ready To Use

For outdoor use on home lawns, gardens, ornamentals and around the home only

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

This product is designed especially for outdoor control of ants and other listed crawling insects.

It is effective as a preplant treatment for control of cutworms and wireworms in vegetable gardens.

It also controls a wide range of insects in garden plantings and around the home, and offers excellent protection against major lawn insects in both grass and dichondra lawns.

Kills ants, brown dog ticks, crickets, cutworms, earwigs, grubs, millipedes, onion mag-gots, sowbugs, wireworms and other listed insects. Also aids in control of fire ants.

ACTIVE INGREDIENT:

Diazinon: O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothiotate 5%

INERT INGREDIENTS:.....95%

TOTAL.....100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY AND FIRST AID STATEMENTS

NET WT. 20 LBS.

EPA REG. NO. 228-177

EPA EST. NO. 228-IL-1

MANUFACTURED BY

RIVERDALE CHEMICAL COMPANY

BURR RIDGE, ILLINOIS 60527-0866

ACCEPTED
With COMMENTS
In EPA Letter Dated:
MAR - 7 2002

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the product registered under EPA Reg. No.

228-177

Revised A/O 5/17/01 MOA & First Aid changes
Revised A/O 10/15/01 Deleted Celery
Revised A/O 2/21/02 Per Dr. Dana Pilitt
JB

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

CAUTION

Harmful if swallowed, inhaled, or absorbed through skin. Causes moderate eye injury. Avoid breathing dust and contact with skin, eyes, and clothing. May cause contact sensitization following repeated contact with skin in susceptible individuals. If sensitization reactions result, consult a physician. 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 allow children or pets on treated areas until granules have been watered into the soil and the grass or soil has dried.

FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

This product contains diazinon, an organophosphate insecticide that inhibits cholinesterase.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center nor doctor. Do not give anything by mouth to an unconscious or convulsing person.

IF INHALED: 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.

**IF ON SKIN:
OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 to 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.

**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.

[EDITOR'S NOTE: An emergency phone number may also be included at the end of the sentence.]

ENVIRONMENTAL HAZARDS

This pesticide 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 and waterfowl. Avoid overlapping of granules. Follow all watering instructions in the directions for use, however, stop watering before puddling occurs. Do not apply this product to sites occupied by waterfowl, or within 75 feet of any body of water that may attract waterfowl, such as ponds or lakes. Do not contaminate ornamental fish ponds. Keep out of lakes, streams, ponds, tidal marshes, and estuaries. Do not apply directly to water. Runoff may be hazardous to fish and other 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.

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. READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

Repackaging and reformulation of this product is prohibited.

SPECIAL PRECAUTIONS TO REDUCE RISKS TO BIRDS

1. Do not treat areas larger than 15,000 square feet.
2. Be sure to read and follow the precautions that appear under the heading Environmental Hazards.
3. If it is necessary to repeat application, wait a minimum of 3 weeks between applications. Make no more than 4 applications per year.

LAWN PROTECTION: 5% DIAZINON INSECT KILLER GRANULES controls the following lawn pests in both grass and dichondra lawns. Apply when insects are present.

Ants	Digger wasps	Sod webworms
Armyworms	Dung beetles	(Lawn moths)
Bermudagrass mites	Earwigs	Sowbugs
Billbugs	Fire ants*	(Pillbugs)
Brown dog ticks	Fleas	Springtails
Chiggers	Hyperodes weevils	(Collembola)
Chinch bugs	Leafhoppers	White grubs of:
Clover mites	Millipedes	Japanese beetle
Crickets		European chafer
Cutworms	*Aids in control	Southern chafer

How to Apply:

Apply 5% DIAZINON INSECT KILLER GRANULES with a fertilizer spreader. For all the insects listed above, apply at a rate of 2 lbs. per 1000 square feet (20' x 50') or 3.2 oz. per 100 square feet (10' x 10'). See spreader setting on chart below. For best results, the lawn should be dry at time of application.

To control ants, armyworms, Bermudagrass mites, brown dog ticks, chiggers, chinch bugs, clover mites, cutworms, earwigs, fleas, leafhoppers, millipedes, sowbugs, springtails and sod webworms (lawn moths), apply when grass is dry. Water lightly after application. If necessary, repeat application at 4 to 6 week intervals. Make no more than 4 applications per year.

To control grubs, except dung beetle, apply any time between July and early October. For dung beetle (*Ataenius spretulus*) apply in Spring or early Summer when damage is first noticed. Water grass thoroughly 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 a second generation occurs. To control billbugs, apply when activity is first observed, or when chewed or brown grass indicates damage from these insects. If necessary, repeat application at 3-week intervals. Make no more than 4 applications per year.

To control *Hyperodes* weevils: Treat problem areas in mid-April and again in mid-May. Water grass with at least 1/4 inch of water after application, however, stop watering before puddling occurs.

SPREADER MAKE

LAWN SPREADER SETTING NO.
(To deliver 2 lbs. per 100 square feet)

AND MODEL

Central Imperial Mark No. 1662-G

Grass or Dichondra Lawn

6-1/2

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Central Suburbia Lawn Spreader No. 1622-0	6-1/2
Ferti-Lome DeLuxe	6-1/2
Ferti-Lome Cyclone/Broadcast	4-1/2
Cyclone Model B1 Rotary	4-1/2
Greenfield Model 105	6-1/2
Ortho Drop Spreader Model 3000	4-1/2
Ortho Broadcast Spreader Model 4000	4-1/2
J. C. Penney Model 6005	7-1/4
J. C. Penney Rotary Spreader	5
Scott Precision Flow Drop Spreader Model PF-4	4
Sears Craftsman Model 671.19198	6

NOTE: The spreader settings listed above are approximate. Accurately weigh a few pounds into your spreader and apply to a measured area. Then adjust spreader setting if necessary in order to assure correct rate of application.

Lawn Spot Treatment:

Ants: Apply 1-1/2 teaspoons over and around each ant hill.

Fire Ants: To aid in the control of fire ants in home lawns and other outdoor home recreation areas, apply 1/2 cup over, and 2 feet around, each fire ant mound. Immediately after application, water in thoroughly. A minimum of 1 gallon of water should be applied to each mound area. Repeat as necessary. Apply gently to avoid disturbing ants and cause migration, reducing product effectiveness. 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.

Digger Wasps: Apply 1-1/2 teaspoons 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 foundations of houses as well as in lawns. Certain of these pests may enter houses.

Ants	Crickets	Millipedes
Brown dog ticks	Earwigs	Sowbugs (Pillbugs)
Clover mites	Fleas	Springtails (Collembola)

Apply a 2-foot band of 5% DIAZINON INSECT KILLER GRANULES next to the house foundation. Distribute granules uniformly, using a rate of 3.2 oz. for each 100 square feet area (2' x 50') treated. Apply when insects are present, especially in late Spring or early Fall. If necessary, repeat application at 3-week intervals.

GARDEN INSECT CONTROL:

SPECIAL PRECAUTIONS TO REDUCE RISKS TO BIRDS

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

1. Thoroughly mix this product into the soil during or immediately after application. Refer to the Soil Incorporation instructions that follow.
2. Granules that are spilled or are visible on soil surfaces should be covered with soil or thoroughly mixed into the soil.

5% DIAZINON INSECT KILLER GRANULES controls certain garden insects on crops listed below. This product should be thoroughly mixed into the soil during or immediately after application. Granules that are spilled or are visible on soil surfaces should be covered with soil or thoroughly mixed into the soil. Apply uniformly as directed for each crop. When a range of rates are given, use the higher rates only for heavier infestations. Do not apply this product to greenhouses.

Cutworms (surface and subterranean)

Beans*	Cauliflower	Crenshaw	Potatoes
Lima	Collards	Honeydew	Spinach
Pole	Cucumbers	Muskmelons	Squash
Snap	Endive (Escarole)	Persians &	Summer
Beets, Red (Table)	Kale	Hybrids of	Winter
Broccoli	Lettuce	these	Sweet Corn
Brussels sprouts	Melons	Parsley	Swiss chard
Cabbage	Cantaloupes	Peas*	Tomatoes
Carrots	Casabas	Peppers	Watermelons

* Succulent only; do not use on dried bean varieties such as pintos, dried limas, navy beans, etc.; nor on dried pea varieties such as blackeyed peas.

Apply 7 to 14 oz. per 500 square feet and mix into soil just before planting to a depth of 2 to 3 inches for surface cutworms and 3 to 6 inches for subterranean cutworms. If type of cutworm cannot be identified, mix into soil 4 to 6 inches deep.

Mole Crickets

Beets, Red (Table)	Cauliflower	Peas*
Broccoli	Collards	Peppers
Brussels sprouts	Endive (Escarole)	Radishes
Cabbage	Kale	Tomatoes
Carrots	Lettuce	Turnips
	Mustard	

*Succulent only; do not use on dried pea varieties such as dried blackeyed peas.

Apply 3-1/2 oz. per 500 square feet and mix into soil to a depth of 1 to 2 inches, 1 to 2 days before planting.

Wireworms

Beans*	Collards	Muskmelons	Potatoes
Lima	Cucumbers	Persians &	Spinach
Pole	Endive (Escarole)	Hybrids of	Squash
Snap	Kale	these	Summer
Beets, Red (Table)	Lettuce	Onions	Winter
Broccoli	Melons	Bulb	Sweet Corn
Brussels sprouts	Cantaloupes	Green	Swiss Chard
Cabbage	Casabas	Parsley	Tomatoes
Carrots	Crenshaw	Peas*	Turnips
Cauliflower	Honeydew	Peppers	Watermelons

* Succulent only; do not use in dried bean varieties such as pintos, dried limas, navy beans, etc.; nor on dried pea varieties such as blackeyed peas.

Apply 10-1/2 to 14 oz. per 500 square feet and mix into soil 4 to 8 inches just before planting.

Root Maggots

Broccoli	Cabbage	Cauliflower
Brussels sprouts		Radishes*

Apply 7 to 10-1/2 oz. per 500 square feet. Broadcast and mix into soil 3 to 4 inches just before planting or transplanting.

* Apply 5-1/2 to 7 oz. per 500 square feet in the seed furrow at planting (2-1/2 to 2-4/5 oz. per 1000 linear feet of row).

Onion Maggots

Onions (Bulb and Green): Apply 7 to 14 oz. per 500 square feet. Broadcast just before planting and mix into the top 3 to 4 inches of soil.

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Note: Resistant onion maggots will not be controlled by diazinon or similar type insecticides.

Seed Corn Maggots

Sweet Corn: Apply 7 to 14 oz. per 500 square feet. Broadcast and mix into soil 2 inches just before planting.

Sweet Potatoes

Wireworms: Apply 10-1/2 oz. per 500 square feet. Broadcast and mix into soil just before planting.

STORAGE AND DISPOSAL

STORAGE: Store in original container and keep any bags containing unused product in an area inaccessible to children and domestic animals. Do not store near feed or foodstuff. To prevent cross-contamination, do not store near other fertilizers, or near herbicides, insecticides, fungicides or seeds.

PRODUCT DISPOSAL: To dispose of bags which contain unused product, securely wrap bag in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Do not reuse empty bag. Fold empty bag and discard in trash.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. (LCI 051701)