

267305

Ms. R. Claire Bousquet
THE SPECTRUM GROUP
Division of United Industries
P.O. Box 15842
St. Louis, MO 63114

JUL 16 1990

Subject: Amendment - Revise per Diazinon Registration Standard
and the Agency's May 1, 1990 Data Call-In letter
to reflect only those uses supported by Ciba-Geigy
Spectracide Crawling Insect Control Granules
EPA Reg. No. 8845-94
Your submission dated June 4, 1990

Dear Ms. Bousquet:

The amendment referred to above, submitted in connection with a registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable provided the following revision is made prior to release for shipment under the amended labeling:

- 1) On page 2 of the label, in the bold print section under the heading "In Gardens", delete the pests "Armyworms", "Carrot rust flies", "Corn borers", "Rootworms" and "Vinegar flies" since these pests are associated with use patterns not supported by Ciba-Geigy and which will not appear on the revised label.
- 2) In the directions for "Overall Lawn Application", directly after the italicized "Precautions", replace the paragraph "Apply Spectracide Crawling Insect Control Granules at the rate of 2 lbs. per 1000 sq. ft. (an area 20' by 50') or 3.2 oz. per 100 sq. ft. (an area 10' by 10')." with the two paragraphs that appear on your latest label for the product Spectracide 6000 Lawn & Garden Insect Control, EPA Reg. No. 8845-95 (but modified to show the name of this product):

Apply Spectracide Crawling Insect Control Granules with a fertilizer spreader. See spreader setting chart below. Apply when grass is dry. Repeat as necessary.

For application with other types of equipment, apply at the rate of 2 lbs. per 1000 sq. ft. (an area 20' by 50') or 3.2 oz. per 100 sq. ft. (an area 10' by 10').

[Be sure to add the associated "Lawn Spreader Setting No." chart.]

BEST AVAILABLE COPY

-2-

- 3) In the heading for the directions for use on melons, relocate the closing parenthesis mark to appear after "... and hybrids of these" rather than after "... and hybrids of these and watermelons".
- 4) In the directions for use on sweet corn, delete the directions for post-emergence application because, based on the results of avian field studies, Ciba-Geigy has decided not to support such uses. Specifically, ~~delete directions for use against "European Corn Borers", "Fall Armyworms", and "Southwestern Corn Borers"~~. Also, delete the associated "Notes" concerning picking corn immediately after last application and not feeding fodder to livestock for 10 days following application, since these remarks are no longer appropriate to the remaining pre-plant application directions.

A stamped copy of the label is enclosed for your records. Please submit five (5) copies of the revised amended label prior to release for shipment under the amended label. Please refer to the Diazinon Registration Standard, as amended, for release for shipment and channels of trade dates for diazinon products bearing appropriately amended labels.

Sincerely yours,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUL 16 1990

Product Label

EPA Reg. No. 8845-94

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

8845-94

Spectracide®

Crawling Insect Control Granules

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

Ready-to-use Granules.
Contains 5% diazinon insecticide.
Treats up to 5000 square feet.

**Kills: White Grubs*, Fleas,
Ants, Crickets, Brown Dog Ticks,
Chinch Bugs, Earwigs, Onion
Maggots and others**

See directions for use

Active Ingredient:
Diazinon: O,O-Diethyl O-(2-isopropyl-6-methyl-
4-pyrimidinyl) phosphorothioate 5%
Inert Ingredients: 95%
Total: 100%

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See additional precautionary statements on
back of bag.

Net Weight 4 pounds (1.82 kilograms)

BEST AVAILABLE COPY

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed, inhaled, or absorbed through skin. Avoid breathing dust and contact with eyes, skin or clothing. Wash thoroughly after handling and before eating or smoking. May cause contact sensitization following repeated contact with skin of susceptible individuals. Avoid repeated contact with skin. If sensitization reactions result, consult a physician. 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 fish ponds. Do not allow children or pets on treated areas until granules have been watered into the soil and the grass or soil is dry.

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.

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. 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 granules. Where irrigation (watering) is recommended in the directions or if waterfowl, i.e., ducks or geese, can be

expected in the treated area (e.g., before puddling occurs in ponds, tidal marshes, etc.), apply immediately after application. Do not apply directly to marshes and potholes. Shrimp and crab may be recommended on this product. Do not contaminate equipment or dispose

STORAGE AND DISPOSAL

Storage: Store in original container in a well-ventilated area. Store away from children and domestic animals. Pesticide Disposal: Dispose of this product in a container in several layers of trash. Container Disposal: Discard bag in trash.

IMPORTANT CONSUMER INFORMATION

If you have any questions about this product, please call us weekdays 9:00 A.M. to 5:00 P.M.

In Lawns
Spectracide Crawling
Ants
Armyworms
Bermudagrass
mites
Billbugs
Brown dog ticks
Chiggers
Chinch bugs
Clover mites

In Gardens

Spectracide Crawling Insect Control Granules kills:

- | | | |
|-------------------|---------------|---------------|
| Armyworms | Mole crickets | Rootworms |
| Carrot rust flies | Onion maggots | Vinegar flies |
| Corn borers | Root maggots | Wireworms |
| Cutworms | | |

Directions for Use and Conditions of Sale and Warranty
IMPORTANT: Read the entire Directions for Use and the Notice of Seller warranty before using this product.

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, express 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.

DIRECTIONS FOR USE

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

OVERALL LAWN APPLICATION

Spectracide Crawling Insect Control Granules controls the following lawn insects on both grass and dichondra lawns: Ants • Armyworms • Bermudagrass mites • Brown dog ticks • Chiggers • Chinch bugs • Clover mites • Crickets • Cutworms • Earwigs • Fleas • Lawn moths (sod webworms) • Leafhoppers • Millipedes • Sowbugs • Springtails (Collembola)

PRECAUTIONS: Birds, especially waterfowl, feeding or drinking on treated area, may be killed. Apply this product only as specified on this label. Because of the migratory habits of certain waterfowl do not apply in Nassau County, New York between November 1 and May 20. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds. Avoid overlapping treated areas. If waterfowl, i.e., ducks, geese, can be expected to enter the treated area after treatment (except spot

treatments), water lawn with at least 1/4 inch water immediately after application, however, stop watering before puddling occurs.

Apply Spectracide Crawling Insect Control Granules at the rate of 2 lbs. per 1000 sq. ft. (an area 20' by 50') or 3.2 oz. per 100 sq. ft. (an area 10' by 10').

Billbugs; White grubs of Japanese beetle, European chafer, Southern chafer, *Ateenius spretulus* (dung beetle): Apply 2 lbs. per 1000 sq. ft. of lawn. Water grass thoroughly after application. For billbug control, apply when activity is first observed or when chewed or brown grass indicates damage from these insects. Repeat as necessary. For grub control, except dung beetle, treat any time between late July and early October. For dung beetle grub control, apply in Spring or early Summer when damage is first noticed. Water grass thoroughly with 1/4 - 1/2 in. of water after application. Treat again in late Summer or early Fall if a second generation occurs.

Hyperodes weevils: Apply 2 lbs. per 1000 sq. ft. of grass. Water grass thoroughly after application. Treat problem areas in mid-April and again in mid-May.

SPOT TREATMENT LAWNS

Ants: Apply 1 1/2 teaspoons of Spectracide Crawling Insect Control Granules over and around each ant hill.

Fire ants: To aid in the control of fire ants in lawns and other recreational areas, apply 1/2 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. Reapply as necessary. Notes: For best results, apply in cool weather, 65-80°F, or in early morning or late evening hours. Works within 24 hours. No waiting for days or weeks. Treat new mounds as they appear.

Digger wasps: Apply 1 1/2 teaspoons of Spectracide Crawling Insect Control Granules 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 | Earwigs | Sowbugs |
| Brown dog ticks | Fleas | (Pillbugs) |
| Clover mites | Millipedes | Springtails |
| Crickets | | (Collembola) |

Apply a 5 foot band of Spectracide Crawling Insect Control Granules next to the house foundation. Distribute granules uniformly, using a rate of 3.2 oz. for each 100 sq. ft. of area (5' by 20') treated. Repeat as necessary.

VEGETABLES - INSECT CONTROL

Spectracide Crawling Insect Control Granules 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.

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.

Insect	Depth of Mixing or Incorporation 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 soil 4-6 inches deep.

Manufactured in the U.S.A. for
 Spectrum Group
 Division of United Industries Corp.
 St. Louis, MO 63114

EPA Reg. No. 8845-94

EPA Est. No.



4098

Crop	Pest	Rate	Timing / Special Directions
Beans (Pole, Snap c Lima) (succulent only)	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.	
	Lesser Cornstalk Borers	3 1/2 - 7 oz. per 500 sq. ft.	Apply in a 6-inch band centered over the row when plants are 1/2 - 1 inch tall.
	Note: Do not use on dried bean varieties, such as pintos, dried limas, navy beans, etc.		
Beets, Red (Table)	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.
Broccoli	Root Maggots	7 - 10 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting or transplanting.
	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.
Brussels Sprouts	Root Maggots	7 - 10 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting or transplanting.

Crop	Pest	Rate	Timing / Special Directions
Brussels Sprouts	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.
Cabbage	Root Maggots	7 - 10 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting or transplanting.
	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.	
Carrots	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1 - 2 days before planting.
	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.	
Cauliflower	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1 - 2 days before planting.
	Root Maggots	7 - 10 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting or transplanting.
	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.	

BEST AVAILABLE COPY

5078

Crop	Pest	Rate	Timing / Special Directions
Cauliflower	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1 - 2 days before planting.
Celery	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.	
Collards	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.
Cucumber	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.	
Endive (Escarole)	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.
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.

Crop	Pest	Rate	Timing / Special Directions
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 Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1 - 2 days before planting.
Melons: (Cantaloupes, Casabas, Crenshaws, Honeydew, Muskmelons, Persians, and 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 organophosphate-resistant onion maggots.
	Wireworms	10 1/2 - 14 oz. per 500 sq. ft.	Broadcast and mix into soil just before planting.
Parsley	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.	

BEST AVAILABLE COPY

Crop	Pest	Rate	Timing / Special Directions
Peas (succulent only)	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.	
Note: Do not use on dried pea varieties such as dried black-eyed peas.			
Peppers	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.
Potatoes	Cutworms (Surface and Subterranean)	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.	
Note: Do not use on commercially-grown potatoes which will be hand-harvested.			
Radishes	Mole Crickets	3 1/2 oz. per 500 sq. ft.	Broadcast and mix into soil 1 - 2 days before planting.
Spinach	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.	
Squash, Summer and Winter	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.	

Crop	Pest	Rate	Timing / Special Directions
Sweet Corn	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.	
	Seed Corn Maggots	7 - 14 oz. per 500 sq. ft.	Broadcast just before planting. Mix into soil 2 inches.
	European Corn Borers	3 1/2 - 7 oz. per 500 sq. ft.	When 75% of the plants show first-generation borers feeding, apply over the corn so granules fall into whorls. Make a second application 7 days later if needed. For second-generation borers, apply as above when there is an average of 1 egg mass per plant. Do not make more than 3 applications per season.
	Fall Armyworms	3 1/2 - 7 oz. per 500 sq. ft.	Apply over corn so granules fall into whorls when larvae first appear. If necessary, application may be repeated twice at 7-day intervals. Do not make more than 3 applications per season.
	Southwestern Corn Borers	3 1/2 - 7 oz. per 500 sq. ft.	Do not make more than 3 applications per season.
	Notes: Corn may be picked immediately after last application. Do not feed fodder to livestock for 10 days following last application.		

BEST AVAILABLE COPY

5/2/74

Product Label

EPA Reg. No. 8845-94

page 6 of 6

Crop	Pest	Rate	Timing / Special Directions
Sweet Potatoes	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.
	Flea Beetles		
Swiss Chard	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.	
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.

6123