

Reg # 192-165

PM-13

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

418777¹³10

APR 28 1992

Mr. John Prues
Dexol Industries
1450 West 228th Street
Torrance, California 90501

Subject: Amendment - Revise per Diazinon Registration Standard
Dexol Diazinon 2% Granules
EPA Registration Number 192-165
Your submission received April 20, 1990

Dear Mr. Prues:

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

- 1) The Diazinon Registration Standard stipulates that diazinon outdoor use products are classified as Restricted Use due to avian and aquatic toxicity unless they are registered for application by homeowners to the home yard and/or home garden or by commercial applicators only to home yards. You can clarify the intended use site for this product by substituting the sentence "Only for outdoor use on the home lawn and in the home garden, and around the home foundation" in place of "For lawns, gardens, and around the house". A good location for this addition would be just under the golf course/sod farm prohibition.
- 2) Only one lawn application rate may appear on each diazinon lawn use product label, regardless of the pest to be controlled. For this 2% product that rate is 5 lbs. per 1000 sq. ft. of lawn. Delete "For heavy lawns such as St. Augustine grass, spread contents evenly over 128 sq. ft. (8' by 16')". For billbug and white grub control, spread contents over 160 sq. ft. (10' by 16')."

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- 3) For the containers larger than the one pound sprinkle canister, a lawn spreader setting table should be located to appear at the end of the overall lawn application directions, i.e., just before the heading "SPOT TREATMENT". The lawn spreader setting table should contain specific recommendations (in the "settings" column) for typical current homeowner-use spreaders and must reflect the single acceptable rate of 5 lbs. per 1000 sq. ft. Typical settings based upon Ciba-Geigy's 2G label are presented below. Please verify that these settings are appropriate for your product to achieve the application rate of 5 lbs. per 1000 sq. ft.

LAWN SPREADER SETTING NO. (To deliver 5 lbs. per 1000 sq. ft)

<u>Spreader Make and Model</u>	<u>Setting</u>
Central Imperial Mark No. 1662-G	7½
Central Suburbia Lawn Spreader No. 1622-0	7½
Cyclone Model B1 Rotary	6
Greenfield Model 105	8
J.C. Penny Model 6005	8½
J.C. Penny Rotary Spreader	8
Scott Precision Flow Spreader Model PF-4	6½
Sears Craftsman Model 671.19198)	7½

Revise the first sentence of the directions for aiding in control of fire ants to read as follows to clearly indicate the home-use nature of this product:

To aid in the control of fire ants in home lawns and other outdoor home recreational areas, apply 1/2 cups over, and 2 ft. around, each fire ant mound.

- 5) At the end of the first paragraph under the heading "VEGETABLES", add: Do not apply this product to food crops grown in greenhouses.
- 6) In the second paragraph of the same section, delete the phrase "unless stated otherwise", since the product must be worked into the soil immediately for all vegetable pre-plant use patterns.
- 7) Under the subheading "Mole Crickets", revise the application rate to 3½ oz. per 200 sq. ft.
- 8) For the crop "Radishes", delete the directions for control of "Root Maggots". Ciba-Geigy is not supporting reregistration of in-furrow application of granular diazinon.

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- 9) The text of the Hazards to Humans and Domestic Animals should be revised as follows to reflect the toxicology data you are relying upon to support reregistration of this product:

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 should not be used for food purposes after use in measuring pesticides.

- 10) Based on Ciba-Geigy's toxicology data submitted in support of reregistration of their 5% diazinon granular products, and upon which you are relying for reregistration of the subject product, in the Statement of Practical Treatment add "Get medical attention." to the end of the "If on skin" advice.

- 11) Revise the Environmental Hazards to read as follows:

This pesticide 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 of granules. For lawns, 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.

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A stamped copy of the label is enclosed for your records. Please submit five copies of the revised amended label prior to release for shipment under the amended label. Labeling released for shipment after the August 31, 1992 deadline imposed by the Diazinon Registration Standard should be the revised amended label.

Sincerely yours,

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

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[DEXOL DIAZINON 2% GRANULES FRONT]

APR 28 1992

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, this product is registered under FIFRA.

DEXOL

This product must not be used on golf courses or sod farms (1)

DIAZINON 2% GRANULES

Kills Ants, Brown Dog Ticks, Fleas, Crickets, Grubs, Cutworms, Sowbugs, Onion Maggots and other listed insects. For lawns, gardens, and around homes.

Active Ingredients:

Diazinon: O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate.....	2.0%
Inert Ingredients:.....	98.0%
Total	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

NET WT. 1 lb.

[BACK PANEL DIAZINON 2% GRANULES]

Dexol Diazinon 2% Granules is designed especially for the outdoor control of ants and other crawling insects. This product is effective as a preplant treatment for control of cutworms and wireworms in vegetable gardens. It also controls a wide range of insects on garden plantings and around the home, and offers protection against major lawn insects on both grass and dichondra lawns

Directions for Use: It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

LAWN APPLICATION: Dexol Diazinon 2% 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 areas 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 0.25 inch water immediately after application, however, stop watering before puddling occurs.

$1 \text{ lb} / 200 \text{ ft}^2 = 5 \text{ lb} / 1000 \text{ ft}^2 \text{ : OK}$

How to Apply: For most insects, sprinkle contents of this canister over a 200 sq. ft. area (10' x 20'). For heavy lawns, such as St. Augustine grass, spread contents evenly over 128 sq. ft. (8' x 16'). For billbug and white grub control, spread contents over 160 sq. ft. (10' x 16').

For best results, the lawn should be dry before application. To control surface feeding insects, armyworms and sod Webworms (lawn moths) apply in late afternoon. Water lawn lightly after application. To control ants, billbugs, chinch bugs, cutworms, and white grubs, water lawn thoroughly after application.

When to Apply: Apply when insects are present. To control ants, armyworms, Bermudagrass mites, chinch bugs, cutworms, leafhoppers, and sod wedworms (Lawn moths), apply at 4-6 week intervals.

LAWN SPREADER TABLE (8)

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SPOT TREATMENT

Ants: Apply 3 1/2 teaspoons of Dexol Diazinon 2% 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 1/4 cups over, and 2 ft. 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. Reapply as necessary. Apply gently to avoid disturbing ants. Use of high pressure watering equipment may disturb the ants and cause migration, reducing product effectiveness. (9)

Note: For best results, apply in cool weather, m 65-80°F, or in early morning or late evening hours. Treat new mounds as they appear.

Digger Wasps: Apply 3 1/2 teaspoons of Dexol Diazinon 2% 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, Brown Dog Ticks, Clover Mites, Crickets, Earwigs, Fleas, Millipedes, Sowbugs (Pillbugs) , Springtails (Collembola)

How to Apply: Apply a 5 foot band of Dexol Diazinon 2% Granules next to the house foundation. Distribute granules uniformly, using a rate of 1/2 canister (8oz.) for each 100 sq. ft. of area (5' x 20') treated. Repeat as necessary. SOK

When to Apply: Apply when insects are present, especially in late spring or early fall. Repeat as necessary.

Vegetables

Dexol Diazinon 2% 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. (1) OK

Unless stated otherwise, applications for control of pests listed below should be thoroughly mixed into the soil during or immediately after application. ✓

Cutworms (surface and subterranean)*

Beans (Pole, Snap or Lima), Beets, Broccoli, Brussels Sprouts, Cantaloupes, Carrots, Cauliflower, Celery, Collards, Cabbage, Cucumbers, Endive (Escarole), Kale, Lettuce, Melons (Cantaloupes, Casabas, Crenshaws, Honeydew), Parsley, Peas, Peppers, Potatoes, Spinach, Squash (Summer & Winter), Sweet Corn, Swiss Chard, Tomatoes, Watermelon.

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Apply 7-14 oz. per 200 Sq. ft. Mix into the soil 2-3 inches just before planting. *NOTE: If type of cutworm cannot be identified, mix into soil 4-6 inches just before planting.

Mole Crickets

Beets, Broccoli, Brussel Sprouts, Cabbage, Carrots, Cauliflower, Collards, Endive (Escarole), Kale, Lettuce, Mustard, Peppers, Radishes, Tomatoes, Turnips.

3 1/2

Apply 4 ozs. per 200 sq. feet. Mix into soil 1-2 inches 1-2 days before planting.

Wireworms

Beans(Pole, Snap or Lima), Beets, Broccoli, Brussel Sprouts, Cabbage, Carrots, Cauliflower, Celery, Collards, Cucumber, Endive (Escarole), Kale, Melons (Cantaloupes, Casabas, Crenshaws, Honeydew), Onions(Green and bulb), Parsley, Peas, Peppers, Potatoes, Spinach, Squash (Summer & Winter), Sweet Corn, Sweet Potatoes, Swiss Chard, Tomatoes, Turnips, Watermelons.

Apply 10 1/2 -14 oz. per 200 Sq. feet. Mix into soil 4-8 inches just before planting.

✓ **Broccoli, Brussel Sprouts, Cabbage, Cauliflower - Root Maggots:** Apply 7-10 ozs. per 200 Sq. ft. Mix into soil 3-4 inches just before planting or transplanting.

Onions (green & bulb)-Onion Maggots: Apply 7-14 oz. per 200 sq. ft. Mix into soil 3-4 inches just before planting.

Radishes-Root Maggots: Apply 2 1/2 -2 4/5 ozs. per 500 linear feet (16) in the seed furrow at planting time.

Sweet Corn- Seed Corn Maggots: Apply 7-14 oz. per 200 sq. Ft. Mix into soil 2 inches just before planting.

Storage & 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 original container in several layers of newspaper and discard in trash. **Container Disposal:** Do not reuse empty bag. Discard bag in trash.

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Precautionary Statements

(3)

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 or 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 spoon 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.

(2)

NOTE: 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

(1)

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., duck or geese, can be expected in the treated area after treatment (except spot treatment), apply a minimum of 0.25 inch of water immediately after applying this product. Stop irrigation before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). Run-off 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 or equipment or disposal of equipment wash waters.

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NOTICE: Seller makes no warranty, expressed or implied concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and or handling this material when such use and/or handling is contrary to label instructions.

DEXOL INDUSTRIES
Torrance, CA. 90501

EPA Reg. No. 192-165
EPA Est. No. 192-CA-1

REVISION: April 11, 1990