

PM 13

2217-638

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437777

James Armbruster, Ph.D
PBI/Gordon Corporation
P.O. Box 4090
1217 West 12th Street
Kansas City, MO 64101

MAR 16 1993

Dear Dr. Armbruster:

Subject: Amendment - Change to "Caution" Formula
Gordons's Diazinon 25% Emulsifiable
EPA Reg. No. 2217-638
Your submission dated July 22, 1992

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

- 1) In the ingredients statement, revise "ACTIVE INGREDIENTS" to "ACTIVE INGREDIENT", since there is only one.
- 2) In the second sentence of the Environmental Hazards text, add a comma after "waterfowl".
- 3) Revise the middle of the seventh sentence of the Environmental Hazards text to read "or if waterfowl, i.e., ducks or geese,".
- 4) In the Precautions under the heading "Lawn Pest Control", revise the middle of the sixth sentence to read "or if waterfowl, i.e., ducks or geese,".

A stamped copy of the label is enclosed for your records.

The replacement Confidential Formula dated July 22, 1992 is acceptable and has been added to this product's registration file.

2078

NOTE - The label and associated Confidential Statement of Formula accepted at this time supersede all previous labels and formula statements on file for this product.

Sincerely,

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

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GORDON'S DIAZINON 25% EMULSIFIABLE

LAWN & GARDEN INSECT CONTROL

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

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

PROTECTS: Lawns, Trees, Shrubs, Roses, and Flowers.

CONTROLS: Ants, Aphids, Chinch bugs, Cutworms, Fire Ants*, Flea Beetles, Grubs, Mites, Sod Webworms, and many others as listed.

* Aids in control.

ACTIVE INGREDIENTS:

Diazinon: O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl)	
phosphorothioate,.....	25.0%
INERT INGREDIENTS**	75.0%
TOTAL:	100.0%

**contains aromatic petroleum distillates.

Spray concentrate. Contains diazinon insecticide.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See side panels for additional Precautionary Statements and Statement of Practical Treatment.

NET CONTENTS ONE U.S. GALLON

895/792 APXXXXXX

EPA REG NO 2217-638
EPA EST NO 2217-KS-1
Mfd. by PBI/GORDON CORPORATION
KANSAS CITY, MISSOURI 64101

ACCEPTED
with COMMENTS
in EPA Letter Dated

MAR 16 1993

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
2217-638

STOP! READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.

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PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

CAUTION: Harmful if swallowed, inhaled, or absorbed through skin. Causes moderate eye injury. Avoid breathing spray mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Do not use inside the home. Avoid contamination of feed and foodstuffs. Do not use on household pets or humans. Do not allow children or pets to go onto a treated area until the treated area, such as grass or soil, has dried. Do not contaminate ornamental fish ponds. Food utensils such as spoons and measuring cups must not be used for food purposes after use in measuring pesticides.

Statement of Practical Treatment

IF SWALLOWED: Call a physician immediately. DO NOT INDUCE VOMITING UNLESS NO OTHER TREATMENT IS AVAILABLE. Vomiting may cause aspiration pneumonia. If it is necessary to induce vomiting, give victim one or two glasses of water and insert finger in back of throat. Do not induce vomiting or give anything by mouth if person is unconscious or convulsing.

IF INHALED: Remove victim to fresh air and apply respiration if indicated. Get medical attention.

IF ON SKIN: Wash promptly with 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: 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. This product contains aromatic petroleum distillates which may present an aspiration hazard. Gastric lavage may be indicated if product was taken internally.

Environmental Hazards: 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 sprays. 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 spraying 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.

This pesticide is highly toxic to bees exposed to direct treatment or to residues on blooming crops or weeds. Do not apply this pesticide or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS: Do not use, pour, spill or store near heat or open flame.

DIRECTIONS FOR USE:

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

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.

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STORAGE & DISPOSAL

STORAGE: Do not store near heat or open flame. Store in original container in a locked storage area inaccessible to children or pets. USE CONTENTS WITHIN 6 MONTHS AFTER OPENING.

DISPOSAL: Do not reuse empty container. Thoroughly rinse container, securely wrap it in several layers of newspaper and discard in trash. If disposal of a partially full container is necessary, make sure cap is tightly closed, securely wrap the container in several layers of newspaper and discard in trash.

General Information

GORDON'S DIAZINON 25% EMULSIFIABLE is an emulsifiable concentrate product which must be diluted with water before application. Refer to the section **How to Mix and Apply**. **GORDON'S DIAZINON 25% EMULSIFIABLE** kills many outdoor insects which destroy lawns, roses, flowers, trees, and shrubs or annoy pets and people. Contains diazinon insecticide which provides positive control of many "hard-to-kill" sucking and chewing insects. **GORDON'S DIAZINON 25% EMULSIFIABLE** works fast and application should be repeated only as directed to maintain control.

Notes: (1) USE CONTENTS WITHIN 6 MONTHS AFTER OPENING. SEE "STORAGE AND DISPOSAL" DIRECTIONS. (2) Do not use in the home. (3) Do not use on ferns, poinsettia, hibiscus, papaya, pilea, gardenia or orchids since injury may occur.

Precautions: (1) Wear a long sleeved shirt and long legged pants when spraying. (2) Spray with the wind to your back. (3) Do not spray on windy days. (4) If clothing becomes wet from spray during use, remove clothing after spraying, wash affected body areas with soap and water, and launder clothing before wearing again.

HOW TO MIX AND APPLY

- Step #1.** Determine size of spraying job. For lawns measure the area to be sprayed. For all other applications, apply as a thorough cover spray. Make applications when insects first appear. Applications should be repeated only as directed to maintain control.
- Step #2.** Use clean sprayer. Carefully measure and mix the amount of **GORDON'S DIAZINON 25% EMULSIFIABLE** and water as suggested in the rate chart.
- Step #3.** Spray as directed in rate chart. Thorough coverage is important. Flush sprayer with clean water after each use.

See chart for complete list of use sites, crops, and insects controlled. Use the rate given in the chart for the type of insect you want to control on the site or crop you are spraying.

- Measurement** 1 tablespoon = 3 teaspoons
- Conversions:** 1 fluid ounce = 6 teaspoons or 2 tablespoons
6 fluid ounces = 3/4 cup
1 1/2 tablespoons in 3 gallons of water = 1 1/2 teaspoons in 1 gallon of water
2 tablespoons in 3 gallons of water = 2 teaspoons in 1 gallon of water

- Lawn Pest Control -

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 and waterfowl. Avoid overlapping of sprays. Where irrigation (watering) is recommended in the directions or if waterfowl, i.e., ducks, geese can be expected in the treated area after treatment (except spot treatments), water lawn with at least 1/4 inch water immediately after spraying this product; however, stop watering before puddling occurs.

For use on Bentgrass, Bermudagrass, Bluegrass, Dichondra, Fescue, Merion and St. Augustinegrass.

PESTS	RATE		REMARKS
	DIAZINON 25% EMULSIFIABLE	WATER	
Lawn Chinch Bugs	1 1/2 tablespoons per 125 square feet or 6 fluid ounces per 1,000 square feet.	3 gallons 24 gallons	Thoroughly wet down grass a few hours before applying. In the North, if chinch bugs are the only problem, a lower rate of application can be used: 3 teaspoons in 3 gallons of water covers 125 square feet or 4 fluid ounces in 24 gallons of water per 1,000 square feet
Ants, Armyworms, Bermudagrass Mites, Clover Mites, Springtails (Collembola), Crickets, Cutworms, Digger Wasps, Earwigs, Frit Flies, Lawn Billbugs, Leafhoppers, Sod Webworms (Lawn Moths), Sowbugs(Pillbugs)	1 1/2 tablespoons per 125 square feet or 6 fluid ounces per 1,000 square feet	3 gallons 24 gallons	Thoroughly wet down grass a few hours before applying. For ants and digger wasps, spot spray ant hills and wasp ground nest openings. For digger wasps, apply at dusk when wasps are not active. For frit flies, mow grass and water thoroughly before treatment, but delay application until grass is dry. Billbug control: Apply when activity is first observed or when chewed or brown grass is present indicating damage from the insect.
Brown Dog Ticks, Chiggers, Fleas	1 1/2 tablespoons per 125 square feet or 6 fluid ounces per 1,000 square feet	3 gallons 24 gallons	Note: Do not apply this product to animals. For brown dog ticks, spray grass and under shrubbery, particularly near house.
Hyperodes Weevil	1 1/2 tablespoons per 125 square feet or 6 fluid ounces per 1,000 square feet	3 gallons 24 gallons	Treat problem areas in mid-April and again in mid-May. Water grass thoroughly after application.
Millipedes	1 1/2 tablespoons per 125 square feet or 6 fluid ounces per 1,000 square feet	3 gallons 24 gallons	Thoroughly wet grass a few hours before applying.
Rhodesgrass Scales	1 1/2 tablespoons per 125 square feet or 6 fluid ounces per 1,000 square feet	3 gallons 24 gallons	Apply when sawflies first emerge.
White Grubs of Japanese Beetle, European Chafer, Southern Chafer	1 1/2 tablespoons per 125 square feet or 6 fluid ounces per 1,000 square feet	3 gallons 24 gallons	Apply any time between late July and early October. Water grass thoroughly after application.

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Ants, Boxelder Bugs, Brown Dog Ticks, Chiggers, Clover mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Millipedes, Sowbugs (Pillbugs), Spiders, Springtails (*Collembola*): Mix 6 fluid ounces in 3 gallons of water and thoroughly spray window and door screens, sills, foundations, porch and patio walls and ceilings, entranceways, walks, garbage cans, tree trunks, and into cracks and other places where insects can hide.

To prevent entry into houses, spray a five-foot band of soil around the house next to the foundation and spray the foundation of the house to a height of 2 to 3 feet. Repeat application as necessary.

Do not treat animals with this product. Do not treat plants (other than tree trunks) at this nuisance pest rate.

Fire Ants: To aid in the control of fire ants in home lawns and other outdoor home recreation areas, apply 1 fluid ounce (2 tablespoons) in a minimum of 1 gallon of water as a drench. Apply over and 6 inches around each mound. Apply gently to avoid disturbing ants. Reapply as necessary. Larger quantities of solution can be prepared for multiple mound treatments. Use equipment capable of delivering the diluted product as a gentle rain at the rate of 1 gallon per mound. High pressure sprays may disturb the 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.

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Insect Control on Ornamental Trees, Shrubs and Flowers

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Species	Insects	Rate per 3 gallons of Water	Timing/Special Directions
<u>Trees & Shrubs</u>			
Arborvitae, Azaleas, Birch, Boxwood, Camellias, Douglas Fir, Elm, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Mimosa, Oak, Pine, Ornamental Plum, Poplar, Rhododendron, Spruce, Willow	Aphids, Bagworms, European Pine Shoot Moths, Holly Bud Moths, Dipterous Leafminers (Arborvitae, Azalea, Birch, Boxwood, Holly, Oak), Leafhoppers, Mealybugs, Mites (Clover, Cyclamen, European Red, Privet, Two-spotted Spider), Obscure Root Weevils, Omnivorous Leaf-tiers, Scale Crawlers, (Cottony-cushion, Euonymus, Lecanium, Pine Needle, Pit, San Jose, Soft).	2 tablespoons	Apply as a thorough foliar spray. Wet leaves and branches to the dripping point. Try to penetrate dense foliage with spray.
	Webworms (Juniper, Mimosa), Whiteflies	2 tablespoons	Apply as a thorough foliar spray. Mimosa webworms: Apply as a thorough foliar spray when adults first appear. Make two additional applications at 4 to 5 week intervals.
	Apple and Thorn Skeletonizers, Hemlock Chermes, Oak Loopers, Obliquebanded Leafrollers, Pear Slugs, Tent Caterpillars, Webworms (Cotoneaster, Fall)	2 tablespoons	Apply as a thorough foliar spray.
<u>Roses & Flowers</u>			
Azaleas, Camellias, Chrysanthemums, Carnations, Gladioli, Lilac, Rhododendron, Roses	Aphids, Euonymus Scale Crawlers, Flea Beetles, Dipterous Leafminers, Leafhoppers, Mealybugs, Mites (Carnation Bud, Carnation Shoot, Cyclamen, European Red, Two-spotted Spider), Thrips, Whiteflies.	2 tablespoons	Apply as a thorough foliar spray. Try to spray underside of leaves and penetrate dense foliage.

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