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239-2479

10/15/97

P9 1/10

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 05-31-98



United States Environmental Protection Agency Washington, DC 20460

Registration Amendment Other

OPP Identifier Number 254209

Application for Pesticide - Section I

1. Company/Product Number 239-2479
2. EPA Product Manager George LaRocca
3. Proposed Classification None Restricted
4. Company/Product (Name) ORTHO Diazinon Soil & Turf Insect Control
5. Name and Address of Applicant The SOLARIS Group of Monsanto
6. Expedited Review

Section - II

Amendment - Explain below. Resubmission in response to Agency letter dated. Notification - Explain below. Final printed labels in response Agency letter dated NOTIFICATION OCT 15 1997

Explanation: Use additional page(s) if necessary. (For section I and Section II.) NOTIFICATION: correct typographical errors; add weights/coverage rates; delete chemical name of diazinon as per PR Notice 97-5;

Section - III

1. Material This Product Will Be Packaged In: Child-Resistant Packaging, Unit Packaging, Water Soluble Packaging, 2. Type of Container, 3. Location of Net Contents Information, 4. Size(s) Retail Container, 5. Location of Label Directions, 6. Manner in Which Label is Affixed to Product

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.) Name Frank Kamienski, Title Registration Specialist, Telephone No. 510/355-3335, Certification, 2. Signature, 3. Title, 4. Typed Name, 5. Date, 6. Date Application Received

KEEP OUT OF REACH OF CHILDREN

CAUTION

See additional precautionary statements on back of bag.
SATISFACTION GUARANTEED OR YOUR MONEY BACK.

NET WT 9 LBS / 4.08 kg

10 lbs / 4.54 kg

18 lbs / 8.16 kg

20 lbs / 9.07 kg

[Text for bottom of bag]

ORTHO®

NET WT 9 LBS / 4.08 kg

Diazinon Soil & Turf Insect Control

If you are not satisfied with the results after using this product, return the original proof-of-purchase and original receipt to your ORTHO Dealer or send to: The SOLARIS Group, Consumer Affairs Dept., P.O. Box 5008, San Ramon, CA 94583-0808

[Text for back of bag]

RESEALABLE BAG

DO NOT CUT BELOW DOTTED LINE

ORTHO®

Diazinon Soil & Turf Insect Control

HOME LAWNS: to kill Billbugs, Chinch Bugs, Sod Webworms and White Grubs, as listed.

NUISANCE PESTS OUTSIDE THE HOME: to kill Ants, Fleas, Brown Dog Ticks, Crickets, Clover mites [9/30/97] and other listed pests.

HOME VEGETABLE GARDENS: to kill Cutworms, Wireworms, Root Maggots [7/17/96]: before planting on listed crops.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.**

tsp = teaspoon / Tbs = Tablespoon

LAWN APPLICATION

Controls insects listed below in grass and dichondra lawns. The lawn should be dry and mowed before application.

PEST	AMOUNT TO USE (See Spreader Setting Chart)	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)	Apply 2 lb per 1,000 sq ft (an area 20' by 50')	Apply when insects are present. Repeat Application in 3 weeks if necessary. May be applied up to 4 times per year.	Apply when grass is dry. Water lawn lightly after treatment to wash granules off foliage.
White Grubs (Japanese Beetle, European & Southern Chafer)	Apply 2 lb per 1,000 sq ft (an area 20' by 50')	Treat anytime between late July and early October Treat again in late Summer or early Fall if needed. Consult the State Agricultural Extension Service for timing in your area.	Water grass thoroughly with at least 1/4 inch of water after application; however, stop watering before puddling occurs
May Beetle Grubs (except California)	Apply 2 lb per 1,000 sq ft (an area 20' by 50')	Apply between mid-April and early May or in August	Water grass thoroughly with at least 1/4 inch of water after application; however, stop watering before puddling occurs

Mole Crickets	Apply 2 lb per 1,000 sq ft (an area 20' by 50')	Apply in May or June when pests are small.	Water grass thoroughly with at least 1/4 inch of water after application; however, stop watering before puddling occurs
European Crane Fly (Larvae) (except CA)	Apply 2 lb per 1,000 sq ft (an area 20' by 50')	Consult the State Agricultural Extension Service for timing in your area.	Water grass thoroughly with at least 1/4 inch of water after application; however, stop watering before puddling occurs
Hyperodes Weevil	Apply 2 lb per 1,000 sq ft (an area 20' by 50')	Treat problem areas in mid-April and again in Mid-May	Water grass thoroughly with at least 1/4 inch of water after application; however, stop watering before puddling occurs
Billbugs	Apply 2 lbs. per 1,000 sq ft (an area 20' by 50')	Apply when chewed or brown grass indicates damage. If necessary, repeat application in 3 weeks. May be applied up to 4 times per year	Water grass thoroughly with at least 1/4 inch of water after application; however, stop watering before puddling occurs

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

SPREADER SETTING CHART

<u>SPREADER MAKE & and MODEL OF SPREADER</u>	<u>APPLICATION RATE 2 lb per 1000 sq ft SPREADER SETTING NUMBER</u>
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<u>ORTHO Broadcast Spreader</u>	
<u>(Models 4000, 6000)</u>	<u>3 1/2 5 1/2</u>
<u>ORTHO Drop Spreader</u>	
<u>(Models 3000, 5000)</u>	<u>5 8</u>
<u>Sears-Craftsman</u>	
<u>(Model 671-19198)</u>	<u>6</u>
<u>Sears Drop Spreader</u>	
<u>(Model 1965)</u>	<u>8</u>
<u>Sears Rotary Spreader</u>	
<u>(Model 1960)</u>	<u>5 1/2</u>
<u>Scotts Precision-Flow Drop-Type Spreaders</u>	<u>5 4 3/4</u>
<u>Scotts EasyGreen® II Rotary</u>	<u>25 1/2 26</u>
<u>Scotts SpeedyGreen® Rotary</u>	<u>4</u>
<u>Republic EZ Drop</u>	
<u>(Model 530)</u>	<u>8</u>
<u>Republic EZ Broadcast</u>	
<u>(Model 540)</u>	<u>5 1/2</u>
<u>Republic EZ Grow</u>	
<u>(Model 545)</u>	<u>6 1/2</u>
<u>Cyclone Rotary</u>	
<u>(Model 96-5)</u>	<u>5</u>
<u>True Temper</u>	
<u>(Model CB 1100)</u>	<u>3</u>
<u>Red-Devil Lawn Drop Spreader</u>	
<u>(Model FH 22N)</u>	<u>9</u>
<u>Red-Devil Broadcast Spreader</u>	
<u>(Model FH KD 2N)</u>	<u>6</u>

<u>HAND HELD SPREADERS</u>	<u>NO. HOPPERS TO DELIVER 2 lb per 1000 sq ft</u>
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<u>ORTHO WHIRLYBIRD® Handy Spreader (Pennington)</u>	<u>1 3/8</u>
<u>Handy Green (Scotts)</u>	<u>3/4</u>

[CORNCOB FORMULATION ONLY]

SPOT TREATMENT

ANTS: Apply 1 1/2 tsp over each ant hill.

FIRE ANTS

Home Lawns: To aid in the control of Imported Fire Ants apply 1/2 cup over, and 2 ft around, each fire ant mound. For best results apply when temperatures are between 65 and 80°F. To avoid disturbing ants, gently water granules in immediately after application. Use 1 gallon of water per mound. High pressure watering may disturb the ants and cause them to move and form new mounds. Treat new mounds as they appear.

DIGGER WASPS: Apply 1 1/2 tsp in and around each nest opening. Apply at dusk when wasps are not active.

[BIODAC FORMULATION ONLY]

SPOT TREATMENT

ANTS: Apply 1 tsp over and around each ant hill.

FIRE ANTS: Home Lawns: To aid in the control of Imported Fire Ants apply 1/3 cup over, and 2 ft around, each fire ant mound. For best results apply when temperatures are between 65 and 80°F. To avoid disturbing ants, gently water granules in immediately after application. Use 1 gallon of water per mound. High pressure watering may disturb the ants and cause them to move and form new mounds. Treat new mounds as they appear.

DIGGER WASPS: Apply 1 tsp in and around each nest opening. Apply at dusk when wasps are not active.

AROUND HOUSE FOUNDATION

Ants, Brown Dog Ticks, Clover Mites, Crickets, Earwigs, Fleas, Millipedes, Sowbugs (Pillbugs), Springtails (Collembola). Evenly apply a 2-foot band of granules next to the house foundation. Use 1 lb for each 500 sq ft of area (2 ft by 250 ~~400~~ ft). [9/30/97]. If necessary, repeat application at 3-week intervals.

VEGETABLE GARDEN INSECT CONTROL

Apply just prior to planting and mix thoroughly into soil. [7/17/96]: Do not use on existing vegetable gardens. Use Ortho Bug-B-Gon, Diazinon Plus Insect Spray, Bug-Geta Plus Snail, Slug & Insect Killer Granules or another product labeled for use on vegetables after planting.

[FOR CORNCOB FORMULATIONS ONLY]

NOTE: One level measuring cup (8 fl oz) holds 4 oz of granules.

[For BIODAC FORMULATIONS ONLY]

NOTE: One level measuring cup (8 fl oz) holds 5 oz of granules.

INSECT	AMOUNT TO USE	PLANTS
Cutworms	10 oz per 500 sq ft Mix into soil 4-6 inches	Beans* (* fresh only), Beets (Red Table), Broccoli, Brussels Sprouts, Cabbage, Carrots, Cauliflower, Celery, Collards, Cucumbers, Endive (Escarole), Kale, Lettuce, Melons, Parsley, Peas*, Peppers, Potatoes, Spinach, Squash, Sweet Corn, Swiss Chard, Tomatoes
Mole Crickets	3 ½ oz per 500 sq ft Mix into soil 1-2 inches	Broccoli, Brussels Sprouts, Cabbage, Carrots, Cauliflower, Collards, Endive (Escarole), Kale, Lettuce, Mustard, Peppers, Radishes, Red Beets (Table), Tomatoes, Turnips
Onion Maggots	7 oz per 500 sq ft Mix into soil 3 to 4 inches	Onions (Bulb and Green) Note: resistant onion maggots will not be controlled by diazinon or similar type insecticides.
Root maggots	10 oz per 500 sq ft Mix into soil 3-4 inches	Broccoli, Brussels Sprouts, Cabbage, Cauliflower
Wireworms	10½ oz per 500 sq ft Mix into soil 4-8 inches	Beans, Beets (Red Table), Brussels Sprouts, Cabbage, Carrots, Cauliflower, Celery, Collards, Cucumbers, Endive (Escarole), Kale, Lettuce, Melons, Onions, Parsley, Peas, Peppers, Potatoes, Spinach, Squash, Sweet Corn, Sweet Potatoes, Swiss Chard, Tomatoes, Turnips

*NOTE: This product is not registered for use on dried bean or pea varieties such as pintos, dried limas, navy beans, or dried blackeyed peas. Do not use on dried bean or pea varieties.

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.

DISPOSAL: PRODUCT - Partially filled bag may be disposed of by securely wrapping original container in several layers of newspaper and discard in trash.

DISPOSAL: CONTAINER - Do not reuse empty bag. Discard bag in trash.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & 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 fish ponds.

[Person/Pet Icon] 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~~

FIRST AID: 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 plenty of soap and water. Rinse thoroughly. Get medical attention.

If in eyes, rinse eyes with plenty of water and call a physician immediately.

Note to Physicians: Emergency Information call 1-800-454-2333. This 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 (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 granules. Granules that are spilled or are visible on soil surfaces should be covered with soil or thoroughly mixed into the soil.

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 that may attract waterfowl, such as ponds or lakes. 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.

NOTICE: Buyer assumes all responsibility for safety and use not in accordance with directions.

**☒ Medical Information call 1-800-454-2333
Product Information call 1-800-225-2883**

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MICRO-CEL® Trademark of Celite Holdings Corp.
Scotts®, EasyGreen®, SpeedyGreen® Registered Trademarks of The Scotts Company
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Manufactured for
The SOLARIS Group of Monsanto Company
P.O. Box 5008 San Ramon CA 94583-0808
Form RS839-A Product 5403
EPA Reg. No. 239-2479
EPA Est. 44616-MO-1^H, 58996-MO-1^A, 34704-NB-1^F
Superscript is first letter of lot number.
Made in USA

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