

PM 03

239-2479

11/24/97

P5 1/10

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

Registration
Amendment
 Other

OPP Identifier Number
259918

Application for Pesticide - Section I

| | | |
|---|--|--|
| 1. Company/Product Number 239-2479 | 2. EPA Product Manager George Lakocca SCEWLS | 3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name) ORTHO Diazinon Soil & Turf Insect Control | PM# 03 | |
| 5. Name and Address of Applicant (Include ZIP Code) The SOLARIS Group of Monsanto P. O. Box 5006 San Ramon, CA 94583-0906 <input type="checkbox"/> Check if this is a new address | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____ | |

Section - II

| | | |
|--|--|------------------------------------|
| <input type="checkbox"/> Amendment - Explain below. | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ | NOTIFICATION NOV 24 1997 |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application. | |
| <input checked="" type="checkbox"/> Notification - Explain below. | <input type="checkbox"/> Other - Explain below. | |

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
NOTIFICATION: Add text for 1.5 lb size, add new telephone number & Web site and modify logos. Added text is double underlined and date bracketed; deleted text is stricken out. This Notification complies with PR Notice 95-2.

Section - III

| | | | | | |
|---|---|--|---|---------------------------------|-------------------|
| 1. Material This Product Will Be Packaged In: | | | | 2. Type of Container | |
| Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No | Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No | Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No | Metal Plastic Glass Paper Other (Specify) _____ | | |
| * Certification must be submitted | | If "Yes" Unit Packaging wgt. | No. per container | If "Yes" Package wgt | No. per container |
| 3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container | | 4. Size(s) Retail Container | | 5. Location of Label Directions | |
| 6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled | | | <input type="checkbox"/> Other _____ | | |

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. (Include Area Code) 510/355-3335 |
| Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. | | 6. Date Application Received (Stamped) |
| 2. Signature <i>Frank Kamienski</i> | 3. Title Registration Specialist | |
| 4. Typed Name Frank Kamienski | 5. Date October 23, 1997 | |

ORTHO® DIAZINON Soil & Turf Insect Control, EPA Reg. No. 239-2479

NOTIFICATION

[10/23/97] Now (Optional) RESEALABLE BAG

DO NOT CUT BELOW DOTTED LINE

[10/23/97] Now 18 lb size resealable bag

NOV 24 1997

COVERS UP TO 4,500 Sq Ft

ICON/OUTDOOR USE ONLY

This Product must not be used on Golf Courses and Sod Farms

Faster Acting, Contains Micro-Cel® E
Denser Granules Stay in Place for Uniform Coverage
PowerFlo™ Granules

Ready-to-use granules for use only on:

HOME LAWNS to kill Billbugs, [9/30/97]: Mole Crickets, Chinch Bugs, Sod Webworms and White Grubs, as listed.

NUISANCE PESTS OUTSIDE THE HOME

To kill Ants, Fleas, Brown Dog Ticks, *Crickets*, *Clover Mites* and other listed pests

HOME VEGETABLE GARDENS

To kill Cutworms, Wireworms, Root Maggots [7/17/96]: before planting on listed crops

Ready-to-Use Granules For Use When Seeding or Transplanting Vegetables

Kills: Wireworms, Rootworms, Root Maggots, Cutworms and Other Listed Soil Insects

Contains Diazinon

Less Dust & Drift

[10/23/97] Less Dust

Covers up to 5,000 Sq Ft [10 lb. size]

4,500 Sq Ft [9 lb. size]

9,000 Sq Ft [18 lb. size]

10,000 Sq Ft [20 lb. size]

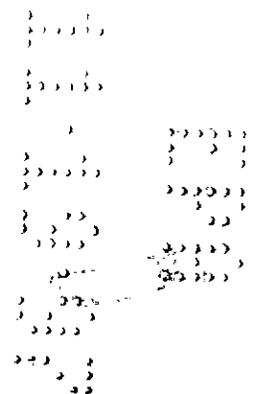
Aids in the Control of Imported Fire Ants

Active Ingredient

Diazinon [0,0 diethyl O (2 isopropyl 6 methyl 4 pyrimidinyl)

phosphorothioate] [9/30/97] 5%

Other Inert Ingredients [9/30/97] 95%



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 <u>[10/23/97]State</u> <u>Agricultural</u> <u>Extension Service</u> <u>County</u> <u>Cooperative</u> <u>Extension Agent</u> 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. ^c | 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 <u>[10/23/97] State</u> <u>Agricultural</u> <u>Extension Service</u> <u>County</u> <u>Cooperative</u> <u>Extension Agent</u> 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

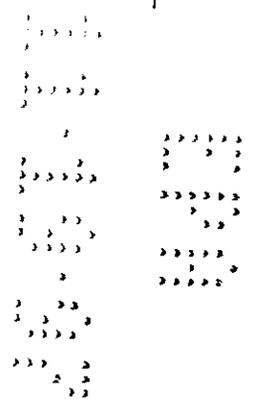
| | |
|--|---|
| <u>SPREADER MAKE & and MODEL OF SPREADER</u> | <u>APPLICATION RATE 2 lb per 1000 sq ft SPREADER SETTING NUMBER</u> |
|--|---|

| | |
|---|--------------------|
| <u>ORTHO Broadcast Spreader (Models 4000, 6000)</u> | <u>3 1/2 5 1/2</u> |
| <u>ORTHO Drop Spreader (Models 3000, 5000)</u> | <u>5 8</u> |
| <u>Sears-Craftsman (Model 671-19198)</u> | <u>6</u> |
| <u>Sears Drop Spreader (Model 1965)</u> | <u>8</u> |
| <u>Sears Rotary Spreader (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 (Model 530)</u> | <u>8</u> |
| <u>Republic EZ Broadcast (Model 540)</u> | <u>5 1/2</u> |
| <u>Republic EZ Grow (Model 545)</u> | <u>6 1/2</u> |
| <u>Cyclone Rotary (Model 96-5)</u> | <u>5</u> |
| <u>True Temper (Model CB 1100)</u> | <u>3</u> |
| <u>Red-Devil Lawn Drop Spreader (Model FH 22N)</u> | <u>9</u> |
| <u>Red-Devil Broadcast Spreader (Model FH KD 2N)</u> | <u>6</u> |

| | |
|------------------------------------|---|
| HAND HELD SPREADERS | NO. HOPPERS TO DELIVER 2 lb per 1000 sq ft |
|------------------------------------|---|

| | |
|---|----------|
| ORTHO WHIRLYBIRD® Handy Spreader | 1 |
|---|----------|



| | |
|----------------------|-----|
| (Pennington) | 3/8 |
| Handy Green (Scotts) | 3/4 |
| Red Devil | 3/8 |

**[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, <u>[10/23/97]</u> Peas* (<u>fresh only</u>), 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, <u>[10/23/97]</u> Red Beets (<u>Red Table</u>), 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 | 10 ½ oz per 500 sq ft Mix into soil 4-8 inches | <u>[10/23/97]</u> Beans* (<u>fresh only</u>), Beets (Red Table), <u>Broccoli</u> , Brussels Sprouts, Cabbage, Carrots, Cauliflower, Celery, Collards, Cucumbers, Endive (Escarole), Kale, Lettuce, Melons, Onions, Parsley, Peas* (<u>fresh only</u>), Peppers, Potatoes, Spinach, Squash, Sweet Corn, Sweet Potatoes, Swiss Chard, Tomatoes, Turnips |



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.

[Circle Skunk Logo]: Low Odor Diazinon [10/23/97]

[Circle Logo]: Diazinon Water Based [10/23/97]

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

or

**☎ Questions, Comments or Medical Information?
Call 1-800-225-2883 <http://www.ortho.com>**

ORTHO®, WHIRLYBIRD® [10/23/97] Bug-Geta®, PowerFlo®, Solaris® Trademarks of Monsanto Company

MICRO-CEL® Trademark of Celite Holdings Corp.

Scotts®, EasyGreen®, SpeedyGreen® Registered Trademarks of The Scotts Company

©Monsanto Company 1997 4

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

