

PM

19

239-2570

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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
224088

Application for Pesticide - Section I

1. Company/Product Number 239-2570	2. EPA Product Manager Dennis Edwards, Jr.	3. Proposed Classification ☒ None ☐ Restricted
4. Company/Product (Name) ORTHO-KIOR 1% Dursban Lawn & Soil Granules	PM# 19	
5. Name and Address of Applicant (Include ZIP Code) The SOLARIS Group of Monsanto Company P. O. Box 5006, San Ramon, CA 94583-0906 ☐ 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

☐ Amendment - Explain below.	☐ Final printed labels in response to Agency letter dated _____
☐ Resubmission in response to Agency letter dated _____	☐ "Me Too" Application.
☒ Notification - Explain below.	☐ Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

NOTIFICATION PER PR NOTICE 95-2: Add text and suggested spreader settings charts information. Additional text is highlighted or shaded; ~~deleted text is stricken out~~. Five copies of master label and final printed labeling for ABN:ORTHO Dursban Lawn & Garden Insect Control. Form S889-A.
This is to certify that this notification meets every requirement of PR Notice 95-2.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child Resistant Packaging ☐ Yes ☐ No	Unit Packaging ☐ Yes ☐ No	Water Soluble Packaging ☐ Yes ☐ 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 ☐ Label ☐ Container		4. Size(s) Retail Container		5. Location of Label Directions ☐ On Label ☐ On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product		☐ Lithograph ☐ Paper glued ☐ Stenciled		☐ Other _____	

Section - IV

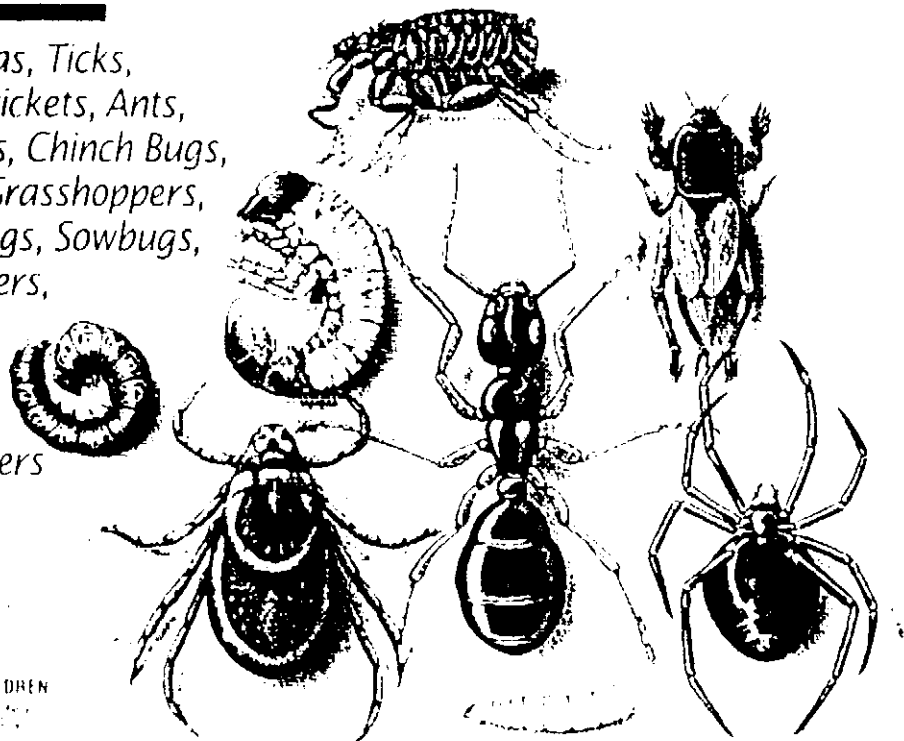
1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name P. X. Kamienski	Title Registration Specialist	Telephone No. (Include Area Code) (510) 855-3335
Certification I certify that the statements I have made on 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>Francis X. Kamienski</i>	3. Title Registration Specialist	
4. Typed Name Francis X. Kamienski	5. Date January 10, 1996	



OUTDOOR
USE ONLY

**Controls Surface & Foliage Pests, Soil Insects,
Helps Control Home Invading Pests
& Vegetable Garden Insects**

CONTROLS: Fleas, Ticks, Grubs, Mole Crickets, Ants, Sod Webworms, Chinch Bugs, Armyworms, Grasshoppers, Crickets, Earwigs, Sowbugs, Silverfish, Spiders, Wireworms, Cutworms, Root Maggots, Billbugs, Chiggers



1. *Abstract* 1
 2. *Introduction* 1
 3. *Methods* 1
 4. *Results* 1
 5. *Discussion* 1
 6. *Conclusion* 1
 7. *References* 1

KEEP OUT OF REACH OF CHILDREN
CAUTION

NET WT 10.8 LBS/4.89 kg

20.5" Face

COPY REDUCED
25%

ORTHO®

BEST AVAILABLE COPY

Dursban® Lawn & Garden Insect Control

FLEA AND TICK CONTROL (OUTDOORS) SOIL INSECTS - European Crane Fly/Leather Jacket (larvae) and White Grubs
HOME INVADING PESTS (Outside) - Ants, Brown Dog Ticks, Cockroaches, Clover Mites, Crickets, Earwigs, Fleas, Millipedes, Sowbugs (Pillbugs), Silverfish, Spiders (including Black Widow Spiders)
HOME LAWNS - Ants, Chinch Bugs, Cutworms, Fall Armyworms, Earwigs, Crickets, Brown Dog Ticks, Fleas, Leafhoppers, Lawn Moths (Sod Webworms), Chiggers, Clover Mites, Grasshoppers, Spittlebugs, Sowbugs (Pillbugs).

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.

FLEA AND TICK CONTROL (OUTDOORS)

Treat once a month beginning when pests first appear in late spring (May - June) and continue until late summer (September - October). Exhumating weeds around the home and mowing lawns frequently reduces hiding places. Dogs, cats, their kennel or bedding and lawns should be treated with a registered product such as ORTHO Flea & Tick Spray. In addition, if fleas or ticks are indoors on carpets or other resting areas, use a product such as FLEA B-GUARD Flea & Tick Killer or ORTHO Home Flea Insect Control. Treat all three areas - outdoors, indoors, and the pet with appropriate labeled products to achieve control. If any one of these areas is missed, it can serve as a source of reinfestation.

HOW TO USE: Apply uniformly to home lawns using a Drop Broadcast or ORTHO WHIRLYBIRD® Spreader. Treat when insects or signs of damage first appear. Retreat as necessary. If reinfestation occurs.

 First children and pets off treated areas. If this material is washed into turf and grass, remove.

TO CONTROL: Ants, Chinch Bugs, Cutworms, Fall Armyworms, Earwigs, Crickets, Brown Dog Ticks, Leafhoppers, Lawn Moths, Sod Webworms, Spittlebugs, Silverfish, Clover Mites, Cockroaches, and Millipedes. Apply ORTHO Dursban® to lawn in early morning or late afternoon. Apply to lawn in early morning or late afternoon. Apply to lawn in early morning or late afternoon. Apply to lawn in early morning or late afternoon.

Sod Webworms, Lawn Moths, and Silverfish are active in the soil. Treat in early morning or late afternoon. Adult White Grubs, European Crane Flies, and Leather Jackets are active in the soil. Treat in early morning or late afternoon. Apply to lawn in early morning or late afternoon. Apply to lawn in early morning or late afternoon.

TO CONTROL: More Crickets, Hyperodes (Turfgrass Weevils), European Crane Fly, Leather Jacket, and White Grubs. Apply to lawn in early morning or late afternoon. Apply to lawn in early morning or late afternoon. Apply to lawn in early morning or late afternoon. Apply to lawn in early morning or late afternoon.

For More Crickets, apply in May or June when pests are small. Hyperodes (Turfgrass Weevils). Treat suspected problem areas in mid April and again in mid May. White Grubs. Treat when grubs are young and actively feeding near the soil surface, usually during late July and August. Consult your Agronomist or Service Specialist for timing of application.

HOME INVADING PESTS: PERIMETER TREATMENT AROUND FOUNDATION (OUTSIDE) - Ants, Crickets, Fleas, Sowbugs (Pillbugs), Millipedes, Earwigs, Clover Mites, Silverfish, Spiders, and Black Widow Spiders. Cockroaches, Brown Dog Ticks. Apply in a band 2 to 6 ft wide around the building using an ORTHO WHIRLYBIRD® Spreader. Treat garbage can storage areas and outdoor pet feeding areas. Do not treat pets with this product.

SUGGESTED SPREADER SETTINGS

MAKE OF SPREADER	DELIVERY 2 lbs. to 1,000 sq. ft.	DELIVERY 5 lbs. to 1,000 sq. ft.
ORTHO Drop Spreader	8 1/2	9 1/2
ORTHO Drop Spreader	8 1/2	9 1/2
ORTHO Broadcast Spreader	3	5
Scotts Drop Spreader	8 1/2	9 1/2
Scotts Drop Type	5 1/2	8 1/2
Scotts Fast Green	26 1/2	28
Reckitt EZ Drop Spreader	8 1/2	9 1/2
Reckitt Broadcast Spreader	3	5
HANDHELD SPREADER		
ORTHO WHIRLYBIRD	4	4
RECKITT Handy Spreader	4	4
SCOTT'S Mandy Green	NEVER	NEVER
RED DEVIL	3	3

NOTE: For example, if you are using a 2 lb. broadcast spreader, then you should apply approximately 8 1/2 lbs. per acre.

VEGETABLE GARDEN INSECT CONTROL

Do not make more than 1 application per season.

CROP	INSECTS CONTROLLED	AMOUNT TO APPLY
Sweet Corn	Cutworms, Wireworms, B. Bugs, Grubs, Flea Beetles, etc.	Apply to beds, rows 100 to 150 ft. apart. Just prior to planting, broadcast into the soil. Apply 1/2 lb. per 100 sq. ft.
Sweet Potatoes	Wireworms, Sweet Potato Beetle	Apply 1/2 lb. per 100 sq. ft. in the furrow with the seed or transplant at the time of planting. Note: Do not use Rotabag® for food or feed.
Vegetables (broccoli, Brussels Sprouts, Cabbage, Cauliflower, Chinese Cabbage, Cucumber, Eggplant, etc.)	Root Maggot	Apply 1/2 lb. per 100 sq. ft. in the furrow with the seed or transplant at the time of planting.
Radishes	Root Maggot	Apply 1/2 lb. per 100 sq. ft. in the furrow with the seed or transplant at the time of planting.

STORAGE AND DISPOSAL

STORAGE: Keep pesticide in original container. Do not put in food or drink containers. Avoid contamination of feed and foodstuffs. Store in a cool, dry, well-ventilated storage area.

DISPOSAL - PRODUCT: Partially filled bag may be discarded. If you have a large quantity of product, contact your local health department for disposal instructions.

CONTAINER - DO NOT REUSE EMPTY BAG: Discard bag in trash.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION: Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

FIRST AID: In case of skin contact, wash skin with plenty of soap and water. In case of eye contact, wash eyes immediately with plenty of water. See a doctor if irritation persists. Note to Physicians: Emergency Information call 1-800-454-2333.

ENVIRONMENTAL HAZARDS: This pesticide is extremely toxic to fish and aquatic life. Do not apply directly to water. Do not permit runoff from treated areas to enter streams, rivers, or other bodies of water. Do not apply to water. Do not apply to water. Do not apply to water. Do not apply to water.

NOTICE: Dursban® is a registered trademark of Ortho Chemical Corporation. © 1991 Ortho Chemical Corporation.



Medical Information call 1-800-454-2333
 Product Information call 1-800-225-2553

SOLARIS™

Ortho Chemical Corporation
 P.O. Box 1000
 Durham, NC 27702
 The SOLARIS® Division
 P.O. Box 1000
 Durham, NC 27702
 1-800-454-2333
 1-800-225-2553
 Made in USA

FREE 20% MORE
10.8 LB AT REGULAR 9 LB PRICE
NOW RESEALABLE BAG
[ICON] PAIR OF SCISSORS
DO NOT CUT BELOW DOTTED LINE

ORTHO®
ORTHO-KLOR® 1% DURSBAN Lawn & Soil Granules
[ABN: Ortho® Dursban® Lawn & Garden Insect Control]
[ICON] OUTDOOR USE ONLY

NEW RESEALABLE BAG
Do not cut below dotted line

DENSER GRANULES STAY IN PLACE
FOR UNIFORM COVERAGE
Better Spreading Formula
Less Dust & Drift
[For 12 lb. size ONLY] 20% MORE FREE GET 12 LBS. FOR THE PRICE OF 10 LBS.]

Treats up to 4,000 sq ft [10 lb. size only]

CONTROLS SURFACE AND FOLIAGE FEEDING PESTS
Sod Webworms Chinch Bugs Grasshoppers Armyworms
Crickets Chiggers Fleas Ticks

SOIL INSECTS

Grubs Mole Crickets

HELPS CONTROL HOME INVADING PESTS

Ants Cockroaches Earwigs Sowbugs Silverfish

Spiders

VEGETABLE GARDEN INSECTS Wireworms, Cutworms, Root Maggots, Billbugs

Active Ingredient

*Chlorpyrifos [0,0-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate].....	1%
Inert Ingredients.....	99%
*DURSBAN®	

KEEP OUT OF REACH OF CHILDREN

CAUTION

See back panel for additional precautionary statements.

For home use only.

5 of 10

NET WT. 10 LBS.

NET WEIGHT 10.8 LBS/4.89 kg

NET WT 9 LBS / 4.08 kg

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION: Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

FIRST AID: In case of skin contact, wash skin with plenty of soap and water. In case of eye contact, wash eyes immediately with plenty of water. See a doctor if irritation persists. Note to Physicians: Emergency Information-call 1-800-454-2333.

ENVIRONMENTAL HAZARDS: This pesticide is extremely toxic to fish, birds, and other wildlife. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Cover or incorporate spills. Do not contaminate water when disposing of equipment washwaters.

FLEA AND TICK CONTROL (Outdoors)

SOIL INSECTS - Mole Crickets, European Crane Fly/ Leather Jacket (larvae) and White Grubs.

HOME INVADING PESTS (Outside): Ants, Brown Dog Ticks, Cockroaches, Clover Mites, Crickets, Earwigs, Fleas, Millipedes, Sowbugs (Pillbugs), Silverfish, Spiders (including Black Widow Spiders).

HOME LAWNS - Ants, Chinch Bugs, Cutworms, Fall Armyworms, Earwigs, Crickets, Brown Dog Ticks, Fleas, Leafhoppers, Lawn Moth (Sod Webworms), Chiggers, Clover Mites, Grasshoppers, Spittlebugs, Sowbugs, Pillbugs.

DIRECTIONS FOR USE

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READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

FLEA AND TICK CONTROL (OUTDOORS)

Treat once a month beginning when pests first appear in late spring (May-June) and continue until late summer (September-October). Eliminating weeds around the home and mowing lawns frequently reduces hiding places.

Dogs, cats, their kennel or bedding area should also be treated with a registered product such as ORTHO Pet Flea & Tick Spray. In addition, if fleas or ticks are indoors on carpets or pet resting areas, use a product such as FLEA-B-GON® Flea & Tick Killer or ORTHO Home Pest Insect Control. Treat all three sites - outdoors, indoors, and the pet with appropriate labeled products to achieve control. If any one of these areas is missed, it can serve as a source of reinfestation.

HOW TO USE: Apply uniformly to home lawns using a Drop, Broadcast or ORTHO WHIRLYBIRD® Spreader. Treat when insects or signs of damage first appear. Retreat as necessary if reinfestation occurs. [Child/Pet icon] Keep children and pets off treated areas until this material is washed into turf and grass is dry.

To Control : Ants, Chinch Bugs, Cutworms, Fall Armyworms, Earwigs, Crickets, Brown Dog Ticks, Fleas, Leafhoppers, Lawn Moth (Sod Webworms), Chiggers, Clover Mites, Grasshoppers, Spittlebugs, Sowbugs, Pillbugs.

Apply 2-1/2 lbs. per 1,000 sq. ft. (40'x25'). Immediately after application, give the lawn a light watering. See table below for suggested spreader settings.

Sod Webworms (Lawn Moths): Sod Webworm caterpillars feed on grass blades at night. Adult Webworms, (Lawn Moths) emerge at dusk. They fly over the lawn laying eggs that later hatch into destructive caterpillars. Damage appears first as small brown spots which rapidly develop into large brown areas. If Lawn Moths are noticed in large numbers, or at first sign of damage, treat entire lawn.

To Control: Mole Crickets, Hyperodes (Turfgrass Weevils) European Crane Fly/Leather Jacket (larvae) and White Grubs (larvae of European Chafer, Southern Chafer and Japanese Beetle): Use 5 lbs./1,000 sq. ft. (see table). Thoroughly water immediately after application to wash the insecticide into the soil.

For Mole Crickets, apply in May or June when pests are small.

Hyperodes (Turfgrass) Weevils: Treat suspected problem areas in mid-April and again in mid-May.

White Grubs: Treat when grubs are young and actively feeding near the soil surface, usually during late July and August. Consult your Agricultural Extension Service Specialist for timing of application.

SUGGESTED SPREADER SETTINGS - INSERT SPREADER CHART HEADINGS HERE

[BIODAG FORMULATION]

Suggested Spreader Settings		
	Delivery	Delivery
Make of	2 1/2 lbs/	5 lbs/
Spreader	1,000 sq. ft.	1,000 sq. ft.
ORTHO Drop Spreader	6 1/2	8
(Model 3000 Small Wheels)		
ORTHO Drop Spreader	6	7 1/2
(Model 5000 Large Wheels)		
ORTHO Broadcast	4	
Spreader		
Sears Craftsman	6 1/2	8 1/2
Scotts (Model pf 1)	5 1/2	7 1/4

Scotts Easy Green	27 1/2	30
Republic EZ Drop Spreader	7 1/2	8 1/2
Republic Broadcast Spreader	6	10

Hand Held Spreaders

Make-of Spreader

ORTHO WHIRLYBIRD®*	4	4
REPUBLIC Handy Spreader	4	4
SCOTTS Handy Green	HEAVY	HEAVY
RED DEVIL	3	3

*One level ORTHO WHIRLYBIRD® Hand Spreader holds 2 lbs. of product.

[CORNCOB FORMULATION]

Suggested Spreader Settings

	Delivery	Delivery
Make of	2 1/2 lbs/	5 lbs/
Spreader	1,000 sq. ft.	1,000 sq. ft.
ORTHO Drop Spreader (Model 3000 Small Wheels)	5 1/2	7 1/2
ORTHO Drop Spreader (Model 5000 Large Wheels)	5	6 1/2
ORTHO Broadcast Spreader	1 1/2	5
Sears Craftsman	6	8
Scotts (Model pf 1)	5 3/4	7 3/4
Scotts Easy Green	26 1/2	28 1/2

Hand Held Spreaders

Make-of Spreader

ORTHO WHIRLYBIRD®*	4	4
REPUBLIC Handy Spreader	4	4
SCOTTS Handy Green	HEAVY	HEAVY
RED DEVIL	3	3

*One level ORTHO WHIRLYBIRD Hand Spreader holds 1-1/4 lbs. of product.

[BIODAC FORMULATION] Note: One level measuring cup (8 fl. oz.) holds 5-1/2 oz. of granules. Three cups equal approximately 1 lb. of product.

[CORNCOB FORMULATION]

Note: One level measuring cup (8 fl. oz.) holds 4 oz. of granules. Four cups equal approximately 1 lb. of product.

VEGETABLE GARDEN INSECT CONTROL

Do not make more than one application per season.

CROP	INSECTS CONTROLLED	AMOUNT TO APPLY
Sweet Corn	Cutworms, Wireworms, Billbugs, Grubs, Flea Beetle, (Larvae)	Apply 1/2 lb. (8 oz.) per 100 sq. ft. evenly just prior to planting and
Sweet Potatoes	Wireworms, Flea Beetle (Larvae), Sweet Potato Beetle	work into the top 4 to 6 inches of soil
Onions	Onion Maggot	Apply 5-1/2 oz / 100 linear feet in the furrow with the seed at the time of planting /
Vegetables (Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Chinese Cabbage, Collards, Kale, Kohlrabi, Rutabagas, Turnips)	Root Maggots	Apply 8 oz./100 linear feet in the furrow with the seed or transplants at the time of planting. Note: Do not use Rutabaga tops for food or feed.
Radishes	Root Maggots	Apply 5 oz./100 linear feet in the furrow with the seed at the time of planting.

HOME INVADING PESTS

PERIMETER TREATMENT AROUND FOUNDATION (OUTSIDE)

Ants	Crickets	Fleas	Sowbugs (Pillbugs)	Millipedes
Earwigs	Clover Mites		Silverfish	
Spiders (Incl. Black Widow Spiders)	Cockroaches		Brown Dog Ticks	

Apply in a band 2 to 6 feet wide around the building using an ORTHO

WHIRLYBIRD® Spreader. Treat garbage can storage areas and outdoor pet resting areas. **DO NOT TREAT PETS WITH THIS PRODUCT.**

STORAGE AND DISPOSAL

STORAGE: Keep pesticide in original container. Do not put into food or drink containers. Avoid contamination of feed and foodstuffs. Store in a cool, dry place, preferable in a locked storage area.

DISPOSAL: PRODUCT- Partially filled bag may be disposed of by securely wrapping original container in several layers of newspaper and discard in trash. **CONTAINER-** Do not reuse empty bag. Discard bag in trash.

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

SOLARIS™

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Dursban® Trademark of DowElanco

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Manufactured for:

The SOLARIS Group of

Monsanto Company

P.O. BOX 5008

San Ramon CA 94583-0808

Product 5602

Form S674-A

EPA Reg. No. 239-2570

EPA Est 58996-MO-1

Made in USA