

9/20/96

PM 19 239-2635 PS 1/19

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
216299

Application for Pesticide - Section I

1. Company/Product Number 239-2635	2. EPA Product Manager Dennis Edwards	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) ORTHO Multipurpose Borer & Insect Spray	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 <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 _____
<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. <i>301</i>

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
Five copies of draft labeling adding the following text: (1) Outdoor Use Only icon, (2) Concentrate, and (3) Shake Well Before Using instructions; and revising/reformatting text. Added text is highlighted/dated; deleted text is stricken out. I certify this Notification is in compliance with PR Notice 95-2. Added required text in Agency's letter of 8/21/96.

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		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
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 F. X. Kamienski	Title Registration Specialist	Telephone (Area Code) (510) 355-3399
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 August 30, 1996	

[ICON] OUTDOOR USE ONLY [8/30/96]

ORTHO MULTIPURPOSE BORER AND INSECT SPRAY

~~[8/29/96]: ABN: ORTHO Borer & Leaf Miner Spray~~
~~9/10/96]: ABN: ORTHO Borer & Leaf Miner Spray~~
~~[9/10/96]: ABN: ORTHO Borer & Leaf Miner Spray,~~

Contains: Dursban Insecticide

Controls: Ants, Subterranean Termites, Powder Post Beetles, Crickets, Chinch Bugs, Wood Borers, Carpenter Ants, Grubs, Cutworms, Fleas, Armyworms, Ticks, Mosquitoes, Grasshoppers, European Crane Fly Larvae, Fire Ants, Sod Webworms, Spiders, Box Elder Bugs, Scorpions, And Many Other Soil Insects And Home Invading Pests.

For Use Around Foundations, Outside Buildings, On Lawns, Under Shrubs, On Woodpiles, Stored Lumber, Fence Posts, and Other Wooden Structures

For Use In Tank Sprayers, Hose-End Applicators, Or Sprinkling Cans Controls All Major Lawn Pests

[8/30/96]: Concentrate

New, Water Based Formula

[8/30/96]: [ICON]: Water Based Formula/Water Based

Kills Lawn Insects

New Easy To Read Label

[8/30/96]: Low Odor

Low Odor Formula

Kills/Controls Home Invading Pests: Ants, Armyworms, Chiggers, Crickets, Cutworms, Earwigs, Fleas, Grasshoppers, Grubs, Fire Ants, Sod Webworms (Lawn Moth Larvae), Scorpions, Spiders, Ticks, and Many Other Insects

Kills/Controls Ticks That Transmit Lyme Disease

Treats Up To 4,000 sq. ft (Qt. size)

Easy To Use Formula

Easy To Use Clear Formula

Easy To Handle Formula

New, Low Odor Formula

Helps Keep Your Lawn Pest/Insect Free

Controls Insect Pests That Can Cause Unsightly Brown Spots And Dead Grass

Kills Insects That Damage Ornamentals, Shade Trees, And Fruit Trees

Kills Borers And Leafminers

Kills Insects: Peachtree Borer, Dogwood Borer, Lilac Borer, Leafminers, Needleminers, Leaf Beetles, Twig Borer, Pine Beetles, Elm Bark Beetles

[8/30/96]: Kills Pine Beetles, Bronze Birch & Peach Tree Borers and many other insects

Ideal For Use On Ornamentals, Shade Trees, And Fruit Trees

[8/30/96]: Use on shrubs and trees

Multi-Purpose
Contains DURSBAN
Effective
Long Lasting Control
Proven Effective

Can Be Applied As A Foliar Spray
Can Be Applied As A Trunk Spray

Can Be Applied With Ortho Hose-End Applicators

DURSBAN Trademark of DowElanco

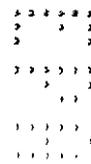
Makes Up To 96 Gals Of Diluted Spray

WARNING: KEEP OUT OF REACH OF CHILDREN
See back panel booklet for additional precautionary
statements

Active Ingredient

Chlorpyrifos [O,O diethyl-O-(3,5,6-trichloro-	
2-pyridyl) phosphorothioate]	10.7%
Inert Ingredients	89.3%

[8/30/96]: Net Contents: 16 fl oz (1 pt) 473 ml.
32 fl oz (1 qt) 946 mL



9-20-96

FOR OUTDOOR HOME & GARDEN USE ONLY

ORTHO Multipurpose Borer and Insect Spray is an easy to apply, low odor, water based product to control lawn insects, home invading pests, fire ants, wood destroying insects including exposed termites, and borers - [8/30/96]: and leafminers that attack ornamental [8/30/96]: plants shrubs, fruit trees, and shade trees. [9/10/96]: When used as directed, it helps lawns and gardens stay vigorous, healthy, and green by controlling bugs that cause problems. [8/30/96]: [8/30/96]: For use in tank sprayers and hose-end sprayers.

[8/30/96]: PULL HERE TO OPEN LABEL. PRESS TO RESEAL.

[For Peel/Reseal Labels only]

WARNING: Causes substantial but temporary eye injury. Harmful if swallowed or if on skin. Do not get in eyes or on clothing. Wear goggles or safety glasses. Avoid contact with skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. [Reentry Icon]: People and pets may re-enter treated areas after sprayed area has dried. See additional precautionary statements and directions inside booklet.

[8/30/96]: PULL HERE TO OPEN LABEL. PRESS TO RESEAL

[Telephone Icon]: Medical Information call 1-800-454-2333
Product Information call 1-800-225-2883

[8/30/96]: Trademark of Monsanto Company
Monsanto Company 1996

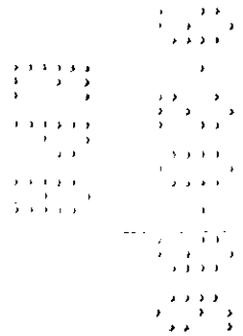
SOLARIS

Manufactured for
The SOLARIS Group of
Monsanto Company
P.O. Box 5008
San Ramon CA 94583-0808
Form 0-108-01
EPA Reg. No. 239-2635

Product 6021
EPA Est. 239-IA-3¹, 58996-MO-1^A

Superscript is first letter of lot number

Made in USA
UPC



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.

[8/30/96]: SHAKE WELL BEFORE USING

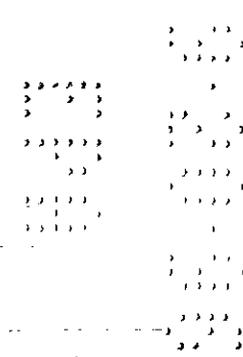
[8/30/96]: tsp = teaspoon
Tbs = Tablespoon
2 Tbs = 1 fl oz
4 fl oz = 1/2 cup

WHEN TO APPLY

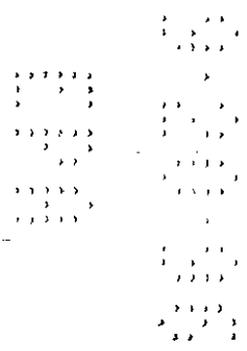
Treat when insects or their damage first appear. Repeat as needed.

WHERE & HOW TO APPLY

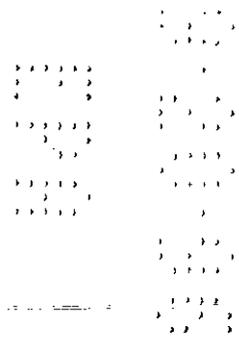
FOR OUTDOOR USE ONLY. Refer to the table for specific insects and tips on how to control. Use a hose end or tank sprayer to treat lawns, home invading pests, wood destroying insects, ornamental plants, fruit trees and shade trees. Use a sprinkling can to treat fire ant mounds.



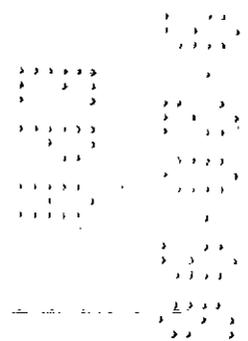
Pests	Product To Measure	Area To Treat	Treatment Tips
<p>LAWN PESTS: Note: Treat the entire lawn. Spot treatment may be less effective.</p>			
<p>Armyworm, Chiggers, Chinch Bugs, Clover Mites, Crickets, Cutworms, Dichondra Flea Beetles, Earwigs, European Crane Fly (Larvae), Fiery Skipper Larvae (California and Hawaii only), Fleas, Grasshoppers, Lawn Moth Larvae (Sod Webworms), Ticks, Tropical Grass Webworms (Hawaii only),</p>	<p><u>Tank Sprayer:</u> 2 tsp. into 3 gals. of water and spray.</p> <p><u>ORTHO Lawn Pest & Fertilizer Sprayer:</u> 1-3/4 fl. oz. into container. Fill to the 15 gal. mark with water and spray.</p> <p><u>DIAL 'n SPRAY Hose-End Applicator:</u> 1-3/4 fl. oz. into container. DO NOT ADD WATER. Set dial at 2 tsp and spray.</p>	<p>100 sq.ft. (10' x 10')</p> <p>500 sq.ft. (10' x 50')</p> <p>500 sq.ft. (10' x 50')</p>	<p>Mow lawn and water thoroughly 1 to 2 days before treatment. Do not water for 2 to 3 days after application. Repeat treatment in 4 to 6 weeks if necessary. For European Crane Fly Larvae control, consult your Agricultural Extension Service for the best time to treat.</p>



<p>White Grubs: (Larvae of European Chafer and Japanese Beetle)</p>	<p><u>Tank Sprayer:</u> 4 tsp. into 1-1/2 gals. of water and spray.</p> <p><u>ORTHO Lawn Pest & Fertilizer Sprayer:</u> 6-1/2 fl. oz. (13 Tbs.) into container. Fill to the 15 gal. mark with water and spray.</p> <p><u>DIAL 'n SPRAY Hose-End Applicator:</u> 6-1/2 fl. oz. (13 Tbs) into container. DO NOT ADD WATER. Set dial at 1 oz. and spray.</p>	<p>50 sq. ft. (5'x 10')</p> <p>500 sq. ft. (10'x 50')</p> <p>500 sq. ft. (10'x 50')</p>	<p>Water lawn thoroughly after treatment. This will move the insecticide into the soil where the grubs feed. Treat when grubs are small and feeding near the soil surface. Consult your Agricultural Extension Service for the best time to treat.</p>
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TREATMENT FOR WOOD DESTROYING PESTS OUTDOORS			
Powderpost Beetles, False Powderpost Beetles, Furniture Beetles, Deathwatch Beetles, Carpenter Ants, Carpenter Bees, Apple Twig Borer, Longhorned Beetle	5-1/3 fl. oz. into 1 gal. of water	Treat localized areas of infested wood	Apply as a coarse drenching spray evenly on wood surfaces. Allow to dry and repeat treatment.



Trees Or Shrubs	Pests	Rate To Apply	Application Instructions
<p>Cottonwood, Elm Willow</p> <p>Rhododendron, Poplar, Pine</p>	<p>Beetles (Cottonwood Leaf, Elm Leaf, Flea, Willow Leaf)</p> <p>Weevils (Black Vine, Yellow Poplar, Pine)</p>	<p>4 tsp./gal. of water</p>	<p>Apply when pests appear. Thoroughly wet upper and lower leaf surfaces. Retreat at 7 to 10 day intervals if needed.</p>
<p>Ash, Lilac, Oak, Dogwood, Rhododendron, Birch Locust</p> <p>Elm, Birch, Locust</p> <p>Pine, Spruce</p>	<p>Borers (Ash, Dogwood, Lesser Peachtree, Lilac, Oak, Rhododendron, Bronze Birch, Flatheaded Appletree, Locust, Red Oak)</p> <p>Leaf Miners</p> <p>Needleminers</p>	<p>1 1/2 fl. oz. (3 Tbs.)/gal. of water</p>	<p>Spray trunks and lower limbs of trees and shrubs when adults begin to emerge.</p> <p>Spray when leaf miners appear in early and Mid-May.</p>
<p>Elm, Pine, Spruce</p>	<p>Beetles (Ambrosia, Black Turpentine, European Elm Bark, Japanese, June, Southern Pine, Spruce)</p>	<p>10 2/3 fl. oz. (1 1/4 cups)/gal. of water.</p> <p>Apply with tank sprayer only.</p>	<p>To prevent infestation, spray the tree trunk in early Spring. To treat infested trees, spray the tree trunk before adult beetles begin to emerge.</p>

[8/30/96]: Application timing is important. Consult your County Cooperative Extension Agent for proper time to treat.

Pests	Fruit Trees	Product to Measure When to Apply
Dogwood Borer	Apples Wait 1 month after last application before harvesting fruit.	2 fl. oz. (4 Tbs.)/gal. of water. Soak tree trunks and the soil around the base of trees in the spring. Apply up to 8 times per season. Wait 3 weeks between treatments.
Borers (Lesser Peachtree, Great Peachtree, American Plum)	Sweet Cherries Wait 1 week after application before harvesting fruit.	2 fl. oz. (4 Tbs.)/gal. of water. Spray trunks and lower limbs. Avoid contact with foliage to prevent leaf damage. Apply up to 3 times per season. Apply second application 2 weeks after the first. Make third application after harvest.
Borers (American Plum, Lesser Peachtree, Pacific Flatheaded, Peach Twig, Peachtree, Shot-hole)	Sour Cherries Wait 2 weeks after application before harvesting fruit.	2 fl. oz. (4 Tbs.)/gal. of water. Spray tree trunks and lower limbs. Apply up to 8 times per season.

<p>Nectarines, Peaches</p>	<p>Peachtree Borers</p>	<p>4 fl. oz. (8 Tbs.)/ gal. of water</p>	<p>Application timing is important. Consult your Extension Service Specialist for proper time to treat. Spray bark from the ground up to the lower branches. Do not spray fruit. Make only 1 application per year. Wait 2 weeks after application to harvest fruit.</p>
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STORAGE AND DISPOSAL

STORAGE: Store in a secure, cool dry place. Keep from freezing.
DISPOSAL: Do not reuse empty container. Rinse thoroughly, wrap in newspaper and put in trash.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

WARNING: Causes substantial but temporary eye injury. Harmful if swallowed or if on skin. Do not get in eyes or on clothing. Wear goggles or safety glasses. Avoid contact with skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

[8/30/96]: [Reentry Icon]: People and pets may re-enter treated areas after sprayed area has dried.

FIRST AID: *IF IN EYES:* Hold eyelids open and flush with a steady, gentle stream of water. Get medical attention. *IF SWALLOWED:* If the person is alert and able to swallow, give small sips of milk or water. Call a physician or Poison Control Center for further treatment advice. *IF ON SKIN:* Wash with plenty of soap and water. Get medical attention if irritation persists. *Note to Physicians:* Emergency Information call 1-800-454-2333. Chlorpyrifos is a cholinesterase inhibitor. Atropine is antidotal. 2-PAM is antidotal and may be used in conjunction with atropine, but should not be used alone.

ENVIRONMENTAL HAZARDS: This product is toxic to fish and wildlife. Do not apply directly to water or contaminate water when disposing of equipment washwater or disposal of waste. This product is highly toxic to bees exposed to direct treatment or residues on blooming plants. Do not apply this product if bees are visiting the treatment area.

