



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
Amendment  
 Other

OPP Identifier Number

259942

Application for Pesticide - Section I

1. Company/Product Number <b>239-2524</b>	2. EPA Product Manager <b>Marion Johnson</b>	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>ORTHO Home &amp; Garden Insect Killer Formula II</b>	PM# <b>10</b>	
5. Name and Address of Applicant (Include ZIP Code) <b>The SOLARIS Group of Monsanto P. O. Box 5006 San Ramon, CA 94583-0906</b> <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

NOTIFICATION

APR 30 1998

<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.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)  
**NOTIFICATION: Revise/ reformat basic label text add label subset #3 for ABN:ANT-STOP® Ant Killer Spray. Added text is double underlined; deleted text is stricken out. This Notification captures the Notifications of 11/1196 and 3/9/98. This Notification is in compliance 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		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
				<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"/> Other _____ <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled					

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name <b>Frank Kamienski</b>	Title <b>Registration Specialist</b>	Telephone No. (Include Area Code) <b>510/355-3335</b>
2. Signature <i>Frank Kamienski</i>		6. Date Application Received <b>(Stamped)</b>
3. Title <b>Registration Specialist</b>		
4. Typed Name <b>Frank Kamienski</b>	5. Date <b>March 31, 1998</b>	

2 7 12

**ORTHO® Home & Garden Insect Killer Formula II, EPA Reg. No. 239-2524**

ABN: HomeDefense® Home & Garden Insect Killer

ABN: ANT-STOP® Ant Killer Spray

ABN: Outdoor Insect Fogger

**Label Subset 1. HomeDefense® Home & Garden Insect Killer**

*[Indoor & Outdoor Icons]*  
Indoor & Outdoor Use

[3/9/98]:[Icon] Indoor Use Only

Kills Pests Indoors - Ants, Black Widow Spiders, Cockroaches, Fleas, House Flies, Mosquitoes and Other Listed Pests

[3/9/98]: Free - 15% More (18.4 oz for the Price of 16 oz)

Kills Pests on Ornamentals - Aphids, Japanese Beetles, Caterpillars, Leafhoppers, Whiteflies and Other Listed Pests

[ICON] WATER BASED

**Active Ingredients**

Tetramethrin-((1-Cyclohexene-1,2-dicarboximido) methyl- 2,2-dimethyl-3-(2-methylpropenyl)- cyclopropanecarboxylate)[10/16/97].....	0.200%
*Sumithrin [3-Phenoxybenzyl-(1RS,3RS; 1RS,3SR)-2,2- dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate].....	0.200%
<u>Other Inert Ingredients</u> † .....	99.600%

†Contains Petroleum Distillate, Xylene, or Xylene Range Aromatic Solvent

[11/11/96]: \*d-(cis,trans)-phenothrin

\*\*cis/trans isomer ratio: Max 25% (+ or -)cis  
Min. 75% (+ or -)trans

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See back panel for additional precautionary statements

**NET WT 16 OZ (1 LB) 453g**

**18.4 OZ (LB 2.4 OZ) 521g**

**NOTIFICATION**

**APR 30 1998**



To Kill Flies, Mosquitoes, Small Flying Moths, Gnats, Bees, Wasps, Cockroaches, Ants, Crickets, Sowbugs, Centipedes, Firebrats, Spiders, Fleas, Brown Dog Ticks, and other listed pests.

To Kill Ornamental Plant Pests: Aphids, Cankercworm, Leafhopper, Whiteflies, Spider Mites, Japanese Beetle, Mealybug, Ants, Caterpillars, and other listed pests.

**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.**

Shake well before using/Shake before use. Hold container upright. Apply in short bursts.

**KILLS PESTS INDOORS**

To Kill Flies, Mosquitoes, Small Flying Moths, Gnats, Bees and Wasps: Close all doors and windows and direct spray upward into center of room with a slow sweeping motion. Spray 5 to 10 seconds for average room. Keep room closed for 15 minutes after spraying. Ventilate room thoroughly before reentry. Sweep up and destroy fallen insects.

To Kill Cockroaches, Ants, Crickets, and Spiders (including Black Widow Spiders): Contact as many insects as possible. Spray cracks, hidden surfaces under sinks, behind stoves and refrigerators, food storage areas, and wherever these pests hide. To kills ants, spray directly on ants, ant trails, and other areas of entry. Repeat as necessary.

To Kill Confused Flour Beetles, Indian Meal Moth, Sawtoothed Grain Beetles and Rice Weevils: Destroy infested package goods. Remove all other items from pantry. Spray the shelves. Place clean paper on the shelves after the spray has dried. Repeat as necessary.

To Kill Sowbugs, Centipedes, Firebrats and Spiders: Contact as many insects as possible with the spray. [3/9/98]: Spray cracks, hidden surfaces under sinks, behind stoves and refrigerators, food storage areas, and wherever these pests hide. Also spray all parts of the room suspected of harboring these pests. Pay special attention to cracks, crevices, hidden surfaces under sinks, behind stoves and refrigerators.

To Kill Fleas and Brown Dog Ticks: Remove old pet bedding. Spray sleeping quarters of pets, around baseboards, window and door frames, wall cracks, and local areas of floors. Do not treat animals with this product. Put fresh bedding in pets' quarters after spray has dried. Treat dogs and cats with FLEA-B-GON® Flea Killer before allowing them to enter treated area.

**OUTDOORS**

To Reduce Annoyance of Houseflies, Gnats, Small Flying Moths and Mosquitoes: Hold container 18 to 24 inches from shrubs, bushes and grassy areas. Spray these areas with a slow sweeping motion while moving away from the treated areas. Treat open porches and patios in a similar manner. Spray only when the air is still. Allow spray to dissipate before occupying the treated area. Repeat as necessary.



4 7 18

To Kill Ornamental Plant Pests Listed Below: Spray directly on insects when possible. Hold can 18 inches from plant. Holding can too close to foliage may result in damage to tender foliage. Spray at first signs of pests, before infestation is heavy. Repeat at 7 to 10 day intervals when insects occur. Spray in the morning or evening when air is still, not in midday or when temperature exceeds 90°F. Do not apply to wilted plants. Caution should be taken when spraying new tender growth on young plants.

Controls: Eastern Tent Caterpillar, Aphids, Cankerworm, Leafhopper, Lacebugs, Whiteflies, Spider Mites, Japanese Beetle, Mealybug, Ants, and Caterpillars on Ornamental Cherry, Spirea, Rose, Crape Myrtle, Ornamental Crabapple, Andromeda, Azalea, Chrysanthemum, Gardenia, Purple Passion Vine, Peony, Oleander and Arborvitae.

**STORAGE AND DISPOSAL**

**STORAGE:** Store in a secure, preferably locked storage area away from heat or open flame.

*[OPTION 1 - IF INSUFFICIENT LABEL SPACE FOR RECYCLING SYMBOL AND COPY]*

**DISPOSAL: PRODUCT** - Unused product may be disposed of by securely wrapping original container in several layers of newspaper and discard in trash.

**CONTAINER**-Securely wrap original container in several layers of newspaper and discard in trash.

*[OPTION 2 - USE IN CONJUNCTION WITH STEEL RECYCLING SYMBOL IF SPACE AVAILABLE]*

**DISPOSAL:** This container may be recycled in the few but growing number of communities where (steel) aerosol can recycling is available. Before offering for recycling, empty the can by using the product according to the label. (DO NOT PUNCTURE!) If recycling is not available, wrap the container and discard in the trash.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Harmful if inhaled.

Avoid breathing vapors. Remove contaminated clothing and wash before reuse.

Remove pets and cover fish bowls (tanks) before applying. **FIRST AID: IF IN**

**EYES:** Flush eyes with plenty of water. See a doctor if irritation persists. **IF ON**

**SKIN:** Wash with plenty of soap and water. Get medical attention if irritation

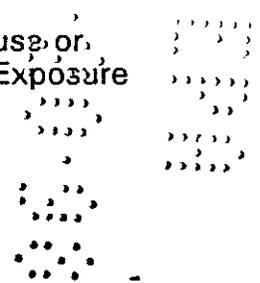
persists. **IF INHALED:** Remove victim to fresh air. If not breathing, give artificial

respiration, preferably mouth-to-mouth. Get medical attention. Note to Physicians:

Emergency Information call 1-800-225-2883 454-2333.

**ENVIRONMENTAL HAZARDS:** This product is highly toxic to fish. Do not apply directly to water.

**PHYSICAL OR CHEMICAL HAZARDS:** Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.



5 4 12

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

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

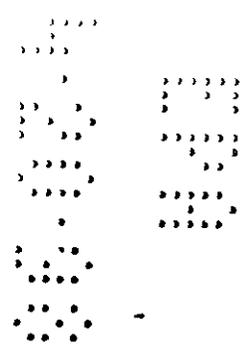
~~?Medical Information call 1-800-454-2333~~  
~~Product Information call 1-800-225-2883~~

® ,™ Trademarks of Monsanto Company  
©Monsanto Company 19984

Federal regulations prohibit CFC propellants in aerosols.

[LOGO]: CONTAINS NO CFCs WHICH  
NO CFCs  
DEplete THE OZONE LAYER

Manufactured for  
The SOLARIS Group of  
Monsanto Company  
P.O. Box 5008  
San Ramon CA 94583-0808  
Form ~~8-985-03 RS708-A~~  
~~Product 1000-91~~  
EPA Reg. No. 239-2524  
EPA Est. 58996-MO-1  
Made in USA



6 7 17

2. Label Subset [3/9/98]  
ABN: Outdoor Insect Fogger 1

**ORTHO® Outdoor Insect Fogger 1**

[icon] OUTDOOR USE ONLY  
[icon] WATER BASED

Kills Flying Insects [Fast]  
Kills Mosquitoes, Flies, Moths, Gnats, Wasps and/& Bees  
Kills Fast  
For Use in Backyards and/& Patios  
Up To 20 Feet Away

**Active Ingredients**

Tetramethrin .....	.0.2%
Sumithrin .....	0.2%
Other Ingredients* .....	99.6%

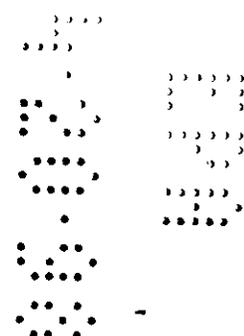
\*Contains Petroleum Distillate, Xylene, or Xylene Range Aromatic Solvent

For Home Use Only/ Specially formulated for residential use.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION** See back panel for additional precautionary statements.

NET WT 16 OZ (1 LB) 453 g



**SHAKE WELL [BEFORE USING]**

Outdoor Insect Fogger kills/controls insects in backyards, porches and/& patios. This product blankets large areas with a penetrating insect-killing fog. Kills Mosquitoes, Flies, Moths, Gnats, Wasps and/& Bees up to 21 ft away. Not for indoor use.

<b>PRODUCT FACTS</b>	
<b>KILLS BUGS/INSECTS/PESTS</b>	<i>[illustration]</i>
• Mosquitoes, Flies, Moths, Gnats, Wasps and/& Bees	
<b>WHERE TO USE</b>	<i>[illustration]</i>
<b>OUTDOORS</b>	
• Backyards	
• Open porches and/& patios	
• Around garbage cans	
☞ Questions, Comments or Medical Information call 1-800-225-2883 <a href="http://www.ortho.com">http://www.ortho.com</a>	

**DIRECTIONS FOR USE**

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

**HOW TO APPLY**

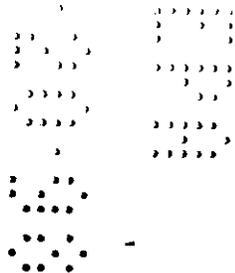
- Apply only when air is calm. Direct fog/spray away from people and animals.
- Always hold container upright while spraying. Spray in a slow sweeping motion while moving away from treated area.
- Spray outdoors where insects congregate including backyards, open porches and patios, and around garbage cans.
- You may spray around ornamental plants. To do so, hold can 3 to 4 feet/ft from ornamental plants and direct fog/spray to fill the air around ornamental plants without heavily wetting the foliage. Do not spray on or around fruits or vegetables.
- Repeat as necessary.

*[Steel Recycling Symbol]*

**STORAGE AND DISPOSAL**

**STORAGE:** Store in a secure, preferably locked storage area away from heat or open flame.

**DISPOSAL:** This container may be recycled in the few but growing number of communities where (steel) aerosol can recycling is available. Before offering for recycling, empty the can by using the product according to the label. (DO NOT PUNCTURE!) If recycling is not available, wrap the container and discard in the trash.



8 7 12

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Harmful if inhaled. Avoid breathing vapors. Remove contaminated clothing and wash before reuse.

*[reentry icon]* People and pets may enter treated area after spray has dissipated.

**FIRST AID:** IF IN EYES: Flush eyes with plenty of water. See a doctor if irritation persists. IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists. IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention. **Note to Physician:** Emergency Information call 1-800-225-2883.

**ENVIRONMENTAL HAZARDS:** This product is highly toxic to fish. Do not apply directly to water.

**PHYSICAL OR CHEMICAL HAZARDS:** Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.

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

Federal regulations prohibit CFC propellants in aerosols.

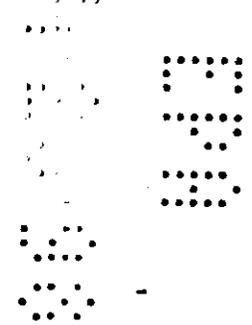
*[logo]*

CONTAINS NO CFCs WHICH  
DEplete THE OZONE LAYER  
NO CFCs

©Monsanto Company \_\_\_\_\_

Manufactured for  
The SOLARIS Group of  
Monsanto Company  
P.O. Box 5008  
San Ramon CA 94583-0808  
Form 8-293-01  
EPA Reg. No. 239-2524  
EPA Est.  
Superscript is first letter of lot number.  
Made in USA

SOLARIS®



9 7 12

**3. Label Subset [3/31/98]**  
**ABN: ANT-STOP® Ant Killer Spray**

Indoor and Outdoor Use [Icon]

Water Based [Icon]

**Active Ingredients**

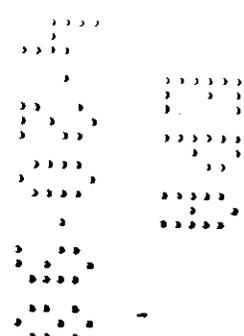
Tetramethrin .....	0.2%
Sumithrin .....	0.2%
Other ingredients* .....	99.6%

\*Contains Petroleum Distillate, Xylene, or Xylene Range Aromatic Solvent

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION** See back panel for additional precautionary statements.

**NET 16 OZ (1LB) 453 g**



10 7 12

SHAKE WELL BEFORE USING

**ORTHO® Ant-Stop® Ant Killer Spray**

*Kills Pests Indoors-Ants, Black Widow Spiders, Cockroaches, Crickets, and other listed pests.*

**DIRECTIONS FOR USE**

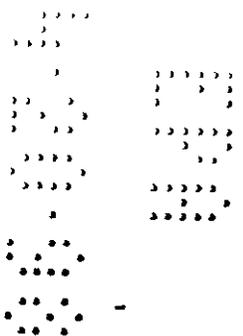
It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

<b>PRODUCT FACTS</b>	
<b>KILLS PESTS</b>	Ants, Plus Centipedes, Cockroaches, Crickets, Firebrats, Sowbugs & Spiders (including Black Widow Spiders)
<b>WHERE TO USE</b>	<ul style="list-style-type: none"> <li>• Ant trails</li> <li>• Cracks &amp; areas of entry</li> <li>• Hidden surfaces under sinks</li> <li>• Behind stoves &amp; refrigerators</li> <li>• Food storage areas</li> <li>• Wherever these pests hide</li> </ul>
<b>☛ Questions, Comments or Medical Information</b> call 1-800-225-2883 <a href="http://www.ortho.com">http://www.ortho.com</a>	

**SHAKE BEFORE USE.** Hold container upright. Apply in short bursts.

**KILLS PESTS INDOORS.** To Kill Ants: Spray directly on ants, ant trails, and other areas of entry. Repeat as necessary.

To Kill Centipedes, Cockroaches, Crickets, Firebrats, Sowbugs, and Spiders (including Black Widow Spiders): Contact as many insects as possible. Spray cracks, hidden surfaces under sinks, behind stoves and refrigerators, food storage areas, and wherever these pests hide. Repeat as necessary.



**STORAGE AND DISPOSAL**

**STORAGE:** Store in a secure, preferably locked storage area away from heat or open flame.

**DISPOSAL: PRODUCT - [Option 1]**

Unused product may be disposed of by securely wrapping original container in several layers of newspaper and discard in trash. **CONTAINER** - Securely wrap original container in several layers of newspaper and discard in trash.

**[Option 2]**

This container may be recycled in the few but growing number of communities where (steel) aerosol can recycling is available. Before offering for recycling, empty the can by using the product according to the label. (DO NOT PUNCTURE!). If recycling is not available, wrap the container and discard in the trash.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Harmful if inhaled. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Remove pets and cover fish bowls (tanks) before applying. **FIRST AID:** IF IN EYES: Flush eyes with plenty of water. See a doctor if irritation persists. IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists. IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention. **Note to Physicians:** Emergency Information call 1-800-225-2883.

**ENVIRONMENTAL HAZARDS:** This product is highly toxic to fish. Do not apply directly to water.

**PHYSICAL OR CHEMICAL HAZARDS:** Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.

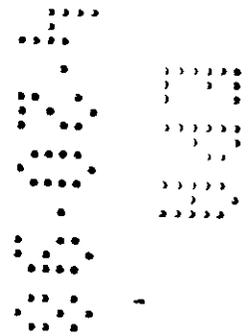
**NOTICE:** Buyer assumes all responsibility for safety and use not in accordance with directions. Federal regulations prohibit CFC propellants in aerosols.

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

Trademark of Monsanto Company

**Solaris®**

©Monsanto Company 1998



72 0 01

Manufactured for  
The Solaris Group of  
Monsanto Company  
P.O. Box 5008  
San Ramon CA  
94583-0808  
Form 8-668-03  
EPA Reg. No. 239-2524  
EPA Est. 58996-MO-1  
Made in USA

[LOGO]:      CONTAINS NO CFCs WHICH  
                 NO CFCs  
                 DEplete THE OZONE LAYER