

28293-329

12/19/2003

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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 NOTIFICATION

OPP Identifier Number  
246731

Application for Pesticide - Section I

1. Company/Product Number Unicorn Laboratories / 28293-329		2. EPA Product Manager George LaRocca		3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted	
4. Company/Product (Name) Unicorn Laboratories/ Unicorn .50% Permethrin Granules		PM# 13			
5. Name and Address of Applicant (Include ZIP Code) Unicorn Laboratories 12385 Automobile Blvd. Clearwater, FL 33762 <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

<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 type="checkbox"/> Add coverage area statement related to specific package	<input type="checkbox"/> size that corresponds to current approved use rate
<input checked="" type="checkbox"/> Notification - Explain below. Per PR Notice 98-10	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)  
 This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PRN 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 & 14 of FIFRA.

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	If "Yes" Unit Packaging wgt. No. per container		If "Yes" Package wgt. No. per container		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted							
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"/> On Label <input type="checkbox"/> On Labeling accompanying product			
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 Lee Tharrington		Title Director, Regulatory Affairs	Telephone No. (Include Area Code) (727) : 578-4545
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 		3. Title Director, Regulatory Affairs	
4. Typed Name Lee Tharrington		5. Date 11/19/03	

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# Unicorn .50% Permethrin Granules

- [KILLS INSECTS IN LAWNS]
- [LAWN & GARDEN INSECT CONTROL]
- [TREATS UP TO 5,000 10,000 15,000 SQ.FT.]
- [PROTECTS YOUR HOME FROM INVADING PESTS]
- [10 POUNDS TREATS 5,000 SQ.FT.] [COVERS 12,500 SQ. FT. (Editor's note: for certain 25 lb. packages)]
- [CONTROLS SURFACE AND FOLIAGE FEEDING PESTS]
- [FOR GRASS AND DICHONDRA LAWNS]
- [CONTAINS SYNTHETIC PYRETHROID]
- [FOR OUTDOOR USE ON HOME LAWNS]
- [CONTAINS PERMETHRIN] • [BROADCAST AND MOUND TREATMENT]
- [READY TO USE] • [PATENTED QUICK DISSOLVE GRANULES (Bio 170 Granules Patent No. 5,219,818)]
- [KILLS: Ants, Armyworms (Inc. Fall, Yellow-striped, etc.), Bear Tick, Bermudagrass mites, Billbugs (adult), Black Legged Tick, Boxelder Bugs, Brown Dog Ticks, Centipedes, Chiggers, Chinch Bugs, Clover mites, Cockroaches, Crickets, Cutworms, Darkling Ground Beetles, Deer Tick (Ixodes dammini), Digger wasps, Dung Beetles (Ataenius Spretulus), Essex Skipper, European Crane Fly Larvae, Field Crickets, Fiery Skipper, Fire Ants, Flea Beetle (In dichondra), Fleas, Grasshopper, Grubs, Hyperodes (Turfgrass Weevil), Japanese Beetle (adult), Lawn Moths, Leafhoppers, Lone Star Tick, Scorpions, Silverfish & Firebrats, Sod Webworms, Sowbugs, Spiders (Inc. Black Widow), Spittlebugs, Springtails, Ticks, Vegetable Weevils (In dichondra), Western Black Legged Tick (Ixodes pacificus)]
- [PROVIDES CONTACT AND RESIDUAL CONTROL FOR UP TO 4 WEEKS]
- [CONTAINS PERMETHRIN, A LONG LASTING INSECTICIDE WHICH PROVIDES CONTACT AND RESIDUAL CONTROL OF OUTDOOR INSECT PESTS.]
- [KILLS ANTS, FLEAS, BROWN DOG TICKS, CRICKETS, CHINCH BUGS, CUTWORMS, BILLBUGS, SCORPIONS, SILVERFISH & FIREBRATS, SOWBUGS, SPIDERS (INC. BLACK WIDOW), SOD WEBWORMS, TICKS, GRUBS AND OTHER LISTED INSECTS.]
- [LONG LASTING INSECT CONTROL] [CONTACT KILL AND RESIDUAL CONTROL OF OUTDOOR INSECTS]
- [KILLS 30+ INSECTS]
- [KILLS FIRE ANTS PLUS INSECTS IN LAWNS]

[Product Usage: Kills imported fire ants and other listed lawn and garden insects  
 Use on: Lawns and around shrubbery and house foundations  
 Amount to Use: Fire Ants: Apply one cup over and 2 ft. around each fire ant mound  
 Lawn and Garden Insects: 2-3 lbs. per 1000 sq.ft.]

NOTIFICATION

DEC - 9 2003

ACTIVE INGREDIENT:	
*Permethrin.....	0.5%
INERT INGREDIENTS: .....	99.5%
TOTAL	100.0%

\*Cis/trans ratio: Maximum 55% (±) cis and minimum 45% (±) trans

KEEP OUT OF REACH OF CHILDREN

## CAUTION

See Side/Back Panels (Label) for Additional Precautionary Statements.

Net Contents:

Manufactured by:  
 Unicorn Laboratories  
 12385 Automobile Blvd.  
 Clearwater, FL 33762

<b>FIRST AID</b>	
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p>	

### PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

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

### ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish. Do not apply directly to water. Drifts and runoffs from treated areas may be hazardous to aquatic organisms in treated areas. Do not contaminate water when disposing of equipment washwaters.

### 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.**

Unicorn .50% Permethrin Granules is recommended for the control of lawn insects, fleas, and ticks outdoors in residential areas. Repeated applications are made by broadcast treatment with a spreader to lawns, under shrubbery, and other ornamental and turf grass areas, band treatments are recommended around house foundation and spot applications are made to ant mounds and wasp nests.

### STORAGE AND DISPOSAL

**STORAGE:** Store product in its original container in a cool, dry locked place out of reach of children.

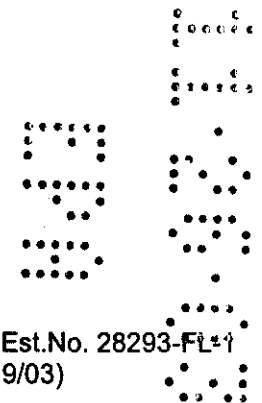
**DISPOSAL:** If empty – Do not reuse this container. Place in trash or offer for recycling if available. If partly filled – Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

### GENERAL USE DIRECTIONS [THREE EASY STEPS TO USE THIS PRODUCT]

1. [Step #1] Determine size of area to be treated – measure and multiply length times width.
2. [Step #2] Determine appropriate spreader setting using chart.
3. [Step #3] Treat as directed – thorough coverage is important. Water in where indicated.

Keep children and pets off treated areas until this material is washed into turf and grass is dry. Food utensils such as teaspoons or measuring cups should not be used for food purposes after use with insecticides.

Treatment Areas	Pests	Use Rate	How to Use
<p>OVERALL LAWN TREATMENT FOR GRASS AND DICHONDRA LAWNS</p>	<p>Ants, Armyworms (Inc. Fall, Yellow-striped, etc.), Bermudagrass mites, Boxelder Bugs, Centipedes, Chiggers, Chinch Bugs, Clover mites, Cockroaches, Crickets, Cutworms, Darkling Ground Beetles, Digger wasps, Essex Skipper, European Crane Fly Larvae, Field Crickets, Fiery Skipper, Flea Beetle (In dichondra), Grasshopper, Hyperodes (Turfgrass Weevil), Lawn Moths, Leafhoppers, Scorpions, Silverfish &amp; Firebrats, Sod Webworms, Sowbugs, Spiders (Inc. Black Widow), Spittlebugs, Springtails, Vegetable Weevils (In dichondra)</p>	<p>Treat when insects first appear using granules at the rate of 2 pounds per 1,000 sq.ft. or, for heavy lawns such as St. Augustine grass, 3 pounds per 1,000 sq.ft. using a fertilizer spreader. See spreader setting chart below.</p>	<p>Apply this product uniformly to home lawns and under shrubbery. To help obtain uniform distribution, apply one-half required amount of product in one direction, then apply the balance at a right angle. Immediately after application, water the lawn lightly.  <b>European Cranefly larvae (Leatherjackets)</b> – the best time to apply is in May or June when the insects are young.  <b>Chinch Bugs</b> – Start treatments when temperatures reach 80°F or above. A second application may be necessary in 6 weeks if insect activity continues.</p>
	<p>Billbugs, Grubs, Japanese Beetle (adult), Dung Beetles (Ataenius Spretulus)</p>	<p>Use granules at the rate of 2 ½ pounds per 1,000 sq.ft.</p>	<p>Water grass thoroughly after application. <b>For Billbug control</b>, apply when activity is first observed or when chewed or brown grass indicates damage from these insects. <b>For Grub control</b>, except <b>Dung Beetle</b>, treat any time between late July and early October. <b>For Dung Beetle Grub control</b>, apply in spring or early summer when damage is first noticed. Water grass thoroughly with ¼ to ½ inch of water after application. Treat again in late summer or early fall if a second generation occurs.</p>



Treatment Areas	Pests	Use Rate	How to Use
SPOT TREATMENT	Ants nesting outdoors including: Acrobat, Argentine, Big Headed, Cornfield, Field, Harvester, Leafcutter, Little Black, Pavement and Pyramid Ants	Product should be applied to thoroughly cover the nest (1 to 2 teaspoons) and sprinkled gently with water.	If possible, it is best to try to locate nest and treat this first. Nests will usually be found in the ground but may be concealed under stones, boards, slabs or in stumps or logs. In addition to treating ant nests or mounds, entry points of buildings (used by ants) and the soil surface along the perimeter of the building should be treated.
	Digger Wasps	Apply 1 to 2 teaspoons of granules in and around each individual ground nest opening.	Make the application at dusk when the wasps are not active.
SPOT TREATMENT (continued)	Imported Fire Ants	Apply one cup over, and 2 feet around each fire ant mound.	Immediately after application, water the granules into the soil gently with a light sprinkling to avoid disturbing the colony. Use at least 1 gallon of water per mound, but no more than 2 gallons. Use of high pressure watering equipment may disturb the colony and cause migration of the ants, thus reducing the effectiveness of the treatment. Apply in cool weather (65-80°F), or in early morning or late evening for best results. Treat new mounds as they appear.
BAND (PERIMETER) TREATMENT AROUND HOUSE FOUNDATION	Ants, Boxelder Bugs, Brown Dog Ticks, Centipedes, Cockroaches, Clover Mites, Crickets, Field Crickets, Fleas, Scorpions, Sowbugs, Spiders (Inc. Black Widow), Springtails (Collembola) and Ticks	Treat at a rate of 1 lb. per 500 sq.ft. or 2 lbs. per 1,000 sq.ft.	To help prevent infestation of buildings, apply a 5 foot band of granules next to the house foundation. Distribute granules uniformly. Water lightly after application.

### FLEA AND TICK CONTROL (OUTDOORS)

In summer months, fleas and ticks frequently become established in lawns and pet resting areas surrounding the home. For best control of Fleas and Ticks (including but not limited to Bear Tick, Black-legged Tick, Brown Dog Tick, Deer Tick (*Ixodes dammini*), Lone Star Tick, Western Black-legged Tick, Wood Tick): a regular treatment program should be followed. Treat once a month when pests first appear in late spring (May-June) and continue until late summer (September-October). Fall temperatures below 50°F decrease pest activity. Eliminating weeds around the home and mowing lawns frequently reduces the hiding places for these pests.

Note: Dogs, cats, their kennel or bedding area should also be treated with a registered product. In addition, if fleas and ticks are indoors on carpets or pet resting areas, use a registered product such as (*product brand name*), ideally in combination with an Insect Growth Regulator such as (*product brand name*). It is very important that all three sites

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– outdoors, indoors and also the pet be treated with appropriate labeled products to achieve satisfactory control. If any of these areas is not treated, it could serve as a source of reinfestation to the entire premises.

### SOD WEBWORMS (CRAMBUS SPP)

Sod Webworms are the light brown caterpillars ¼ to ¾ inch long, that hide in the grass during the day and feed on the grass blades at night. Adult Webworms, usually referred to as Lawn Moths (about 1 inch in length with long snout) emerge from the grass at dusk. They fly over the lawn laying eggs that later hatch into destructive caterpillars. Damage appears first as small brown spots which, if not treated, may rapidly develop into large brown areas of severely damaged or dead grass. If Lawn Moths (Sod Webworm Adults) are noticed in large numbers at dusk, or at first sign of damage to lawn, treat entire lawn evenly.

### SPREADER SETTINGS

Spreader Make and Model	Grass or Dichondra Lawns at 2 lbs. per 1000 sq.ft.	White Grubs, Billbugs at 2 ½ lbs. per 1000 sq.ft.	St. Augustine Lawns at 3 lbs. per 1000 sq.ft.
Cyclone Broadcast	3	4	5
Greenview Drop Spred III	3	4	5
Greenview Jet Spred III	4	5	6
Republic Drop EZ530	6 ½	7	8
Republic Broadcast EZ540	2	3	4
Scotts AG3	6	6 ½	7
Scotts SG3	4	4 ½	5
Scotts EG3	24	25	26
Scotts PF4	6	6 ½	7
Sears Drop 1927	5 ½	6	7
Sears Broadcast 1922	5 ½	6	7

Note: Spreader settings given are approximate and variation can occur between identical models. User should calibrate spreader by accurately weighing a few pounds into your spreader and applying to a measured area. Then adjust spreader setting if necessary to assure correct rate of application.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty or any other warranty of Merchantability or Fitness for a Particular Purpose, expressed or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

Brackets “[ ]” denote optional wording.