

3/19/96

PM 19 EP295-202

M 17

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
251525

Application for Pesticide - Section I

1. Company/Product Number 28293-202	2. EPA Product Manager Edwards	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Unicorn Dursban 1.0%G Granules	PM# 19	
5. Name and Address of Applicant (Include ZIP Code) Unicorn Laboratories 13535 Feather Sound Drive, Suite 400 Clearwater, FL 34622-5587 <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 MAR 24 1996
<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 of addition to Environmental Hazards of Do not apply directly to water per PR Notice 93-3. This notification is consistent with the provisions of PR Notice 95-2 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 PR Notice 95-2 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 and 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			<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		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 <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 Barbara J. Varner	Title Director Regulatory Affairs	Telephone No. (Include Area Code) (813) 573-4545
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 Barbara J. Varner	5. Date March 11, 1996	

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AFTER

UNICORN

DURSBAN* 1.0%G GRANULES

Contains 1.0% Chlorpyrifos

FOR USE IN LAWNS, GARDENS AND AROUND HOMES

Kills and Controls Chinch Bugs, Sod Webworms (Lawn Moths),
Ants, Fleas, Brown Dog Ticks, Crickets, Certain White Grubs**,
Cutworms, Earwigs, Sowbugs (Pillbugs) and Hyperodes
(Turfgrass) Weevils***Infesting Home Lawns and Other
Ornamental Turf Areas.

Kills and Controls Vegetable Soil Insects such as:
Root and Onion Maggots, Corn Rootworm & Flea Beetle Larvae,
Cutworms, Billbugs, Seed Corn Beetle & Maggot,
Grubs, Lesser Cornstalk Borer, and Symphylans.

ACTIVE INGREDIENT:

Chlorpyrifos (0,0,-diethyl 0-(3,5,6-trichloro-
2-pyridyl) phosphorothioate)..... 1.0%

INERT INGREDIENTS:..... 99.0%

100.0%

*Dursban is a registered trademark of DowElanco

Keep Out of Reach of Children

CAUTION

See Side/Back Panels for Additional Precautionary Statements

NET CONTENTS: _____

MANUFACTURED BY:

Unicorn Laboratories
13535 Feather Sound Drive, Suite 400
Clearwater, Florida 34622-5587

EPA REG. NO. 28293-202 (E:2/8/93)
NOTF.3/12/96 CWA

EPA EST. NO. 44616-MO-1

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly after handling. Keep away from food, feedstuffs and domestic water supplies. Keep children and pets off treated areas until this material is washed into the soil and grass is dry.

Environmental Hazards

This product is toxic to fish, birds and other wildlife. Birds feeding on treated areas may be killed. Do not apply directly to water. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwaters. Apply this product only as specified on this label.

Statement of Practical Treatment

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF IN EYES: Flush with plenty of water. Call a physician if irritation persists.

IF ON SKIN: In case of contact, remove contaminated clothing and immediately wash skin with plenty of soap and water. Thoroughly launder clothing before wearing again.

NOTE TO PHYSICIAN: Chlorpyrifos is a Cholinesterase inhibitor. Treat symptomatically. Atropine, by injection, is antidote of choice.

STORAGE AND DISPOSAL

STORAGE: Keep container tightly closed when not in use. Store in a cool, dry area, preferably in a locked area.

DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash. Do not reuse bag. Wrap bag and put in trash.

EPA REG. NO. 28293-202(E)

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

LAWN & PERIMETER INSECTS

Apply granules uniformly to home lawns and other ornamental and recreational turf areas using any hand or power operated gravity or rotary type spreader designed for application of granular materials. Treat when insects first appear, using granules at the rate of 100 pounds per acre.

To help obtain uniform distribution, apply one-half the required amount of product in one direction; then apply the balance at a right angle. Immediately after application, sprinkle the turf with 1300 gallons of water per acre so as to wash the granules into the zone of insect infestation. Consult the following table to determine the amount of granules and water needed for small sized areas. Re-treat as necessary.

RATES TO USE

<u>Areas to be Treated</u>	<u>Pounds DURSBAN* 1.0%G</u>	<u>Gals. of Water to Sprinkle on Turf after Treatment</u>
1,000 sq. ft.	2.5	30
5,000 sq. ft.	12.5	150
10,000 sq. ft.	25.0	300

Fleas and Brown Dog Ticks: Thoroughly apply granules as a spot treatment to infested areas such as:

OUTSIDE PET RESTING AREAS: Old bedding of pets should be removed and replaced with clean, fresh bedding after treatment. Do not apply this product indoors. To control the source of your flea infestation, treat pets with a product registered for direct application to pets.

YARD AREAS: Apply granules uniformly to home lawns, under shrubbery and other ornamental recreational turf grass areas. Treat when insects first appear using Granules at the rate of one pound per 400 sq. ft. 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, sprinkle the turf with 20 gallons of water per 400 sq. ft. so as to wash the granules into the zone of insect infestation. Re-treat as necessary. **DO NOT TREAT PETS WITH THIS PRODUCT**

PERIMETER TREATMENT: To help prevent infestation of buildings by Ants, Crickets, Earwigs and Sowbugs (Pillbugs): treat a band 6 to 10 feet wide around and adjacent to the buildings where pests are active and may find entrance. Distribute granules uniformly using the appropriate rates listed in the table for the pests to be controlled.

IMPORTED FIRE ANT-MOUND TREATMENT: **REQUIRES NO WATERING.** For use in home lawns, under shrubbery and other ornamental recreational turf grass areas as an aid in the control of the Imported Fire Ant. Apply one-half cup (4 tablespoons) of **Unicorn Dursban 1.0%G Granules** to the center of the mound and out two feet surrounding it. Do not water in or disturb the mound. Apply when temperatures are between 65° and 80° degrees F. Treat new mounds as they appear.

**To Control Certain White Grubs (larvae of European chafer and Japanese Beetle): Use two to four times the amounts of granules shown in the table (i.e., 5-10 lbs. per 1,000 sq. ft.). After application, apply enough water to thoroughly wash the insecticide into the turf. For best results, treat when grubs are young and actively feeding near the soil surface, usually during late July and August. Consult your local Agricultural Extension Service for proper time to treat in your area.

***To Control Hyperodes (Turfgrass) Weevils: Use twice the rate of granules shown in the table. Treat suspected problem areas in mid-April and again in mid-May. Consult your local Agricultural Extension Service specialist for best time to treat in your area.

Chinch Bugs: Apply 2 to 3 2/5 lbs. per 1000 sq. ft. (10 to 17 lbs. per 5000 sq. ft.) when activity or damage appears. To prevent damage apply as soon as daily temperatures reach 80 degrees and repeat every 2 months.

Ants, Crickets, Grasshoppers and Sowbugs (Pillbugs): Apply 2 2/3 lbs. per 1000 sq. ft. (13 lbs. per 5000 sq. ft.)

Cutworms, Earwigs: Apply 1 3/5 lbs. per 1000 sq. ft. (8 lbs. per 5000 sq. ft.).

European Crane Fly Larvae (Maggot): For control use 3 lbs. per 1000 sq. ft. Make application when damage is noticed or there are in excess of 20 larvae per sq. ft. Contact your Cooperative Agricultural Extension Service for proper timing to treat in your area.

To Control Billbug Larvae: Apply 2 1/2 to 10 lbs. per 1000 sq. ft. when larvae are present.

VEGETABLE GARDEN SOIL INSECTS

Crop	Pest	Amount Per 50 row ft.	Pounds Per 1000 sq. ft.	Use Directions	Restrictions
Broccoli	Root	3 2/5 oz.	--	Apply in seed furrow at planting and in a band across top of row, and mix into soil to a depth of 3-4 inches. Do not apply more than 5 1/6 lbs. of this product in 1000 sq. ft. of 20 in. rows, or per 1000 sq. ft. at any spacing.	Do not make more than one application per season. Do not use rutabaga tops for food or feed purposes.
Brussels Sprouts	Maggots	to 6 4/5 oz.			
Cabbage					
Cauliflower					
Chinese Cabbage					
Collards					
Kale					
Kohlrabi					
Rutabagas					
Turnips					

VEGETABLE GARDEN SOIL INSECTS (continued)

Crop	Pest	Amount Per 50 row ft.	Pounds Per 1000 sq. ft.	Use Directions	Restrictions
Radishes	Root Maggots	2-2/3 ozs.	--	Apply the granules in the seed furrow with the seed at planting time. Do not apply more than 6 1/4 lbs per 1000 sq. ft.	Do not make more than one application per season.
Onions (dry bulb)	Onion Maggots	2-3/4 ozs.	--	Apply the granules in furrow at 18-in. row spacing.	Do not make more than one application per season.
Sweet Corn Popcorn	Northern Southern & Western Corn root worm larvae Cutworms	6 ozs. 6 ozs.	-- 2 1/3 to 4 2/3 lbs.	For rootworm, cutworm, billbug, borer, symphylans, wireworm, seed corn maggot, seed corn beetle, and grubs, apply in the seed furrow with the seed at planting, and across top of row.	Do not apply within 35 days before harvest. Do not exceed 12 ozs. per 50 ft. of row or 4 2/3 lbs. per 1000 sq. ft. per crop season.
	Wireworms* Billbugs Seed corn maggot Grubs Lesser cornstalk borer	6 to 12 ozs. 6 to 12 ozs. 6 ozs. 12 ozs. 6 to 12 ozs.	4 2/3 lbs. 4 2/3 lbs. -- 4 2/3 lbs. --	For cutworms, wireworms, billbugs, grubs, and flea beetle larvae, apply before planting by distributing granules uniformly over area and mixing in soil to a depth of 4 - 6 inches.	
	Seed corn beetle Flea beetle larvae Symphylans	6 to 12 ozs. -- 6 to 9 ozs.	-- 4 2/3 lbs. --	For best rootworm control, apply at cultivation time by working in granules at the base of the plants on both sides of the row, and cover with soil.	

* 6 oz. rate - suppression only.

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SPREADER SETTING

To help obtain uniform distribution, apply one-half the required amount of product in one direction then apply the balance at right angle

SPREADER TYPE	RATE IN LBS PER 1,000 SQ. FT			
	2-1/2	3-1/2	5	10
Lilly Miller	4-3/4	5-3/4	7	12-1/2
Ortho 3000 Drop Spreader	7	8	9	*
Ortho 4000 Broadcast Spreader	6	7	9	13
Scotts Pf-1, Pf-2 Drop Spreader	5-1/2	6-1/2	7-1/2	10-1/2
Scotts Easy Green Broadcast Spreader	26-1/2	27-1/2	29 1/2	*
Red Devil SB 50-P Broadcast Spreader	3	4-1/2	6	*
Red Devil SB 82-P Broadcast Spreader	3	4-1/2	6	*
Red Devil FH 22 Drop Spreader	4-1/2	5-1/2	6-1/2	*
Central Plastic Drop Spreaders	5 1/2	6-1/2	7-1/2	10 1/2
Sears Plastic Drop Spreaders	5-1/2	6-1/2	7-1/2	10-1/2

* Spreader manufacturer recommends two applications at the 5 lb setting

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 nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied extends to the use of this product contrary to label instruction or under abnormal conditions or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use

THIS CONTAINER IS FILLED BY WEIGHT NOT BY VOLUME YOU CAN BE ASSURED OF THE PROPER WEIGHT EVEN THOUGH SOME SETTLING OF CONTENTS NORMALLY OCCURS DURING TRANSPORTATION AND HANDLING