



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number
254825

Application for Pesticide - Section I

1. Company/Product Number 70-184	2. EPA Product Manager Thomas Harris	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Kill-Ko Dursban 1G Granular Insecticide		PM# IRB 04
5. Name and Address of Applicant (Include ZIP Code) SureCo, Inc. an indirect subsidiary of Verdant Brands, Inc. 7501 Harps Mill Rd. Raleigh, NC 27615-5422 <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 MAY 13 1999
<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 following additional pests per PR Notice 95-2;
Chinch Bugs, Mole Crickets, Sod Webworms, European Crane Fly, Infestation of building by insects, fire ant control, and addition of spreader settings.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	<input checked="" type="checkbox"/> Glass	<input type="checkbox"/> Paper
		If "Yes" Package wgt.	No. per container	<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 10 lb.		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" 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 Stacy S. Hartis	Title Regulatory Affairs Spec.	Telephone No. (Include Area Code) 919-848-8872
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 Regulatory Affairs Specialist	
4. Typed Name Stacy S. Hartis	5. Date 5/3/99	

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NOTIFICATION
MAY 13 1999

KILL-KO DURSBAN* 1G GRANULAR INSECTICIDE

Controls Chinch Bugs, Sod Webworms (Lawn Moths), Ants, Brown Dog Ticks, Crickets, Chiggers, Clover Mites, Cutworms, Earwigs, European Crane Fly Larvae, Fleas, Grasshoppers, Sowbugs (Pillbugs) Certain White Grubs and Hyperodes (Turfgrass) Weevils+ Infesting Home Lawns and Other Ornamental Turf Areas.

ACTIVE INGREDIENT:

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

OTHER INGREDIENTS: 99.0%

TOTAL: 100.0%

*Dursban is a trademark of Dow AgroSciences LLC

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

May be harmful if swallowed. Do not take internally. Avoid contact with eyes, skin, and clothing. Avoid breathing vapors or dusts. Do not wear contaminated clothing. Wash thoroughly after handling. Keep away from feed, foodstuffs and water supplies.

FIRST AID

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 On Skin: In case of contact, remove contaminated clothing and immediately wash skin with plenty of soap and water.

If in Eyes: Flush eyes with plenty of water.

Note to Physician: Active ingredient is a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote.

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 by cleaning of equipment or disposal of waste.

DIRECTIONS FOR USE

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

Apply this insecticide uniformly to home lawns and other ornamental and recreational turf grass areas using any hand or power operated gravity or rotary type spreader designed for application of granular materials. SEE SPREADER SETTINGS. Treat when insects first appear using the product at the rates given in the table below. To help obtain uniform distribution, apply one-half of the required amount of product in one direction; then apply the balance at a right angle. Immediately after application sprinkle the turf with water so as to wash the granules into the zone of insect infestation. Consult the following table to determine amounts of this product and water needed for areas to be treated. Re-treat as necessary.

RATE TO USE

Area To Be Treated	Pounds of Dursban 1G	Gallons of Water to Sprinkle on Turf After Treatment
200 sq. ft.	½	6
600 sq. ft.	1 ½	18
2,000 sq. ft.	5	60
5,000 sq. ft.	12 ½	150

+To control *Hyperodes* (turfgrass) weevils use twice the rate of DURSBAN 1G 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 when insects appear and/or their damage is imminent. Control will last up to 8 weeks. To prevent damage apply as soon as daily temperature reaches 80° and repeat every 2 months.

MOLE CRICKETS: To control mole crickets, apply Dursban 1G Granular Insecticide at a rate of 4 ½ lbs. per 1,000 sq. ft. Apply when early stage nymphs are active. Efficacy may be enhanced by applying late in the afternoon or early evening and watering the turf prior to treatment to move the mole crickets close to the soil surface.

SOD WEBWORMS: Delay watering or mowing the treated area for 12-24 hours after treatment. Treat in the spring or when insects first appear troublesome. Additional treatments at 30 day intervals may be needed for new infestations.

WHITE GRUB CONTROL: (such as larvae of Japanese Beetle, Black Turfgrass *ataenius*, European chafer, and Southern Masked chafer). Apply Dursban 1G

Granular Insecticide at a rate of 5 lbs. per 1,000 sq. ft. SEE SPREADER SETTINGS. When high populations of grubs are present in the area to be treated, a repeat application of 5 lbs. per 1,000 sq. ft. may be made 7 to 14 days following the initial application. Apply the granules uniformly over the treated area, followed immediately by a thorough watering to wash the insecticide into the soil. 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.

EUROPEAN CRANE FLY (larvae): Apply 3.5 lbs. of Dursban 1G Granular Insecticide per 1,000 sq. ft. SEE SPREADER SETTINGS ON SIDEOF BAG. Immediately after application, sprinkle the turf with 30 gallons of water per 1,000 sq. ft. For timing of applications you should consult your local Agricultural Extension Service.

TO HELP PREVENT INFESTATION OF BUILDING BY INSECTS: Ants, Crickets, Sowbugs (pillbugs), Earwigs, Ticks, Spiders, Crickets, Fleas, Clover Mites, Boxelder Bugs: Use 1 lb. treat 400 sq. ft. (as a band 5 ft. to 40 ft. long) around the structure. Apply when insects have become troublesome or before they cause problems in the spring or early fall. Repeat one month later and then as needed for control, but not more than once every 7 days. Keep children and pets off treated area until granules are sprinkled in and the area is dry.

TO CONTROL INSECTS IN FLOWER GARDENS AND UNDER AND AROUND SHRUBBERY SUCH AS: Ants, Crickets, Sowbugs (pillbugs), Earwigs, Ticks, Cutworms, Grasshoppers, Armyworms. Apply evenly over soil within flower beds and under shrubbery. Use the dosage recommended on turf.

FIRE ANT CONTROL (for individual ant mounds): Apply Dursban 1G Granular Insecticide at a rate of 2 ounces (4 tablespoons) per active mound. Sprinkle granules gently and evenly over surface of mound and out approximately two feet surrounding the mound. Avoid disturbing ants. NOTE: For best results, apply in cool weather, 65° - 80° F, or in early morning or late evening hours. Treat new mounds as they appear.

FOR CONTROL OF TICKS INFESTING AREAS AROUND HOUSES AND IN YARD AREAS: Use the same dosage recommended on Home Lawns. Treat perimeter of house and yard by applying under shrubbery, in and around ground cover, and around and under patios. Treat edges or perimeter of yard area where grass and other ground cover plants exist and other areas that appear likely to serve as harborage sites for ticks that have removed themselves from their host. Prior to and following treatment, weeds and high grasses should be kept trimmed to reduce tick harborage sites. Rodents can serve as hosts for ticks. Rock piles, wood piles, and other rodent habitats should be removed or reduced. Key months for deer tick control are April through November in most parts of the country. For specific timing

of application in your geographic area, contact your local Agricultural Extension Service. NOTE: During application tuck pant legs into socks to avoid tick bites. An insect repellent sprayed onto lower legs and socks should give additional protection from possible bites. Wearing light colored pants and socks will aid in spotting ticks that may attack during treatment.

SPREADER SETTINGS

To help obtain uniform distribution, apply one-half the required amount of product in one direction then apply the balance at a right angle. Spreader settings are approximate. Your spreader may need recalibrating due to age and use. Test proper working condition by placing 1.25 lb. of GRANULES into your spreader using the setting at the 2.5 lb. rate. Apply over a pre-measured areas of 500 sq. ft. (5 ft x 100 ft long). If the spreader contains granules at the end of the test, open the spreader 1/2 - 3/4 setting; if granules have run out before the end of the test, close (shut) the spreader 1/2 - 1/3 setting. Repeat test if indicated. Insect may not killed and control may be "spotty" if your spreader does not apply the exact recommended amount per 1, 000 sq. ft. as found on this label.

	2 1/2	3 1/2	5	10
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 Broascast Spreader	4 1/2	5 1/2	6 1/2	*
Central Plastic Drop Spreader	5 1/2	6 1/2	7 1/2	10 1/2
Sears Plastic Drop Spreader	5 1/2	6 1/2	7 1/2	10 1/2

*Spreader Manufacturer recommends two applications at the 5 lb. setting

STORAGE AND DISPOSAL

Storage: Store in original container only in a cool, dry location away from children and domestic pets.

Disposal: Do not reuse empty container. Wrap container and put in trash collection.

WARRANTY AND LIMITATIONS OF DAMAGES: Seller warrants that this material conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions.

For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticides Telecommunications Network at 1-800-858-7378.

Net Content: _____

EPA Reg. No. 70-184
EPA Est. Nos. 769-GA-1

Distributed by:
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