



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other Notif.

OPP Identifier Number
236736

Application for Pesticide - Section I

1. Company/Product Number DowElanco / 62719-210	2. EPA Product Manager Dennis Edwards	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) DowElanco/Dursban 1G Insecticide	PM# 19	
5. Name and Address of Applicant (Include ZIP Code) DowElanco 9330 Zionsville Road Indianapolis, IN 46268 <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.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Please see attached Registration Notes.

NOTIFICATION

MAR 24 1996

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
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 Kenneth D. Racke, Ph. D.	Title Product Registration Manager	Telephone No. (Include Area Code) (317) 337-4654
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 Product Registration Manager	
4. Typed Name Kenneth D. Racke, Ph.D.	5. Date February 26, 1996	

Dursban* 1G Insecticide

EPA Reg. No. 62719-210

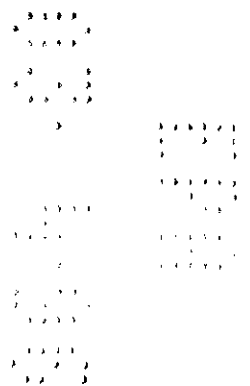
Registration Notes

Current label text based on EPA-Accepted copy dated 09/01/92.

Current Label Change(s) by Notification (02/21/96): Redundant label statement removed. The following statement now appears only once under "Applications to Turf": "To help obtain uniform distribution of Dursban 1G on the lawn, apply one-half of the required amount of product in one direction; then apply the amount remaining at a right angle."

[Editor's note: Deleted text denoted by strike-through.]

*Trademark of DowElanco



Dursban* 1G Insecticide

For Control of Various Insects (and Other Arthropods) Infesting Lawns and Other Ornamental Turf Areas, Flower Beds, Under Shrubbery, Buildings, and Certain Vegetable Crops

Active Ingredient(s):

chlorpyrifos: O,O-diethyl-O-(3,5,6-trichloro-2-pyridinyl) phosphorothioate	1.0%
Inert Ingredients	99.0%
Total	100.0%

EPA Reg. No. 62719-210
EPA. Est. XXXXX-XX-XX

Net Contents - __ lb/kg

*Trademark of DowElanco
DowElanco • Indianapolis, Indiana 46268-1189 U.S.A.

Precautionary Statements

Hazards to Humans and Domestic Animals

Keep Out of Reach of Children

CAUTION

May Be Harmful If Swallowed

Do not take internally. Avoid inhaling dust. Avoid eye contact. Wash thoroughly after handling. Wash contaminated clothing before reuse. Keep away from food, feedstuffs, and domestic water supplies.

First Aid

If swallowed: Call a physician or poison control center. Drink one or two 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 inhaled: Remove victim to fresh air if symptoms of cholinesterase inhibition appear and get medical attention immediately.

If on Skin: Wash thoroughly with soap and water.

If in Eyes: Flush eyes with plenty of water. Get medical attention if irritation persists.

Note to Physician: Active ingredient is a cholinesterase inhibitor. Treat symptomatically. Atropine, by injection only, is antidotal.

Environmental Hazards

This product is toxic to fish, birds, and other wildlife. Keep out of any body of water. Do not contaminate water when disposing of equipment washwaters. Apply this product only as specified on this label.

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Directions for Use

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

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

Storage: Store in original container out of the reach of children and pets. Do not store above 100°F for extended periods of time. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of according to use directions or at an approved waste disposal facility.

Container Disposal: Completely empty container into application equipment. Do not reuse empty container. Discard container in trash.

General Information

Dursban* 1G granular insecticide is intended for control of various insects (and other arthropods) infesting lawns and other ornamental turf areas, flower beds, shrubbery, buildings, and certain vegetable crops. **Do not use this product indoors.**

Insects Controlled Include:

ants	fleas
armyworms	grasshoppers
billbugs	sod webworms (lawn moths)
boxelder bugs	sowbugs (pillbugs)
chiggers	(1) fire ants
chinch bugs	(2) Hyperodes (turfgrass) weevils
clover mites	(3) European crane fly larvae [†]
crickets	(4) white grubs [†]
cutworms	(5) ticks (including deer ticks)
earwigs	

[†]Indicates that watering in of Dursban 1G will increase effectiveness.
 (#) Numbers in parentheses refer to specialized application directions.

Dosage Rates

Area To Be Treated	Pounds of Dursban 1G
1,000 sq ft	2.5 pounds
2,000 sq ft	5 pounds
4,000 sq ft	10 pounds
5,000 sq ft	12.5 pounds
10,000 sq ft	25 pounds

To help obtain uniform distribution of Dursban 1G on the lawn, apply one-half of the required amount of product in one direction; then apply the amount remaining at a right angle.

Spreader Settings

Application rate (lb. per 1,000 sq ft)	Lilly/Miller	Central	Scotts Drop	Ortho
5	6.0	6.75	6.0	5.5
7	7.5	7.25	7.5	6.5
10	8.0	7.75	8.0	7.5
20	11.5	9.5	11.5	9.0

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Approved Uses

Applications to Turf

Apply Dursban 1G uniformly to home lawns at the rate of 2.5 pounds per 1,000 sq ft. Consult the table to determine the amount of Dursban 1G needed for a larger-sized areas. Use any hand or power-operated gravity or rotary type spreader designed for application of granular materials. To help obtain uniform distribution of Dursban 1G on the lawn, apply one-half of the required amount of product in one direction; then apply the amount remaining at a right angle.

1. **Fire ant control (for individual ant mounds):** Apply Dursban 1G 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. For best results, apply when ants are least active: in cool weather, 65°F to 80°F, or in early morning or late evening hours. Treat new mounds as they appear.
2. **Turfgrass weevil Control (larvae of *Hyperodes weevil*)** Apply 5 pounds of Dursban 1G per 1,000 sq ft (twice the rate in application table above). Apply the granules uniformly over the area to be treated. For best results, treat when grubs are young and actively feeding near the soil surface. Consult your local Agricultural Extension Service specialist for proper time to treat in your geographic area.
3. **European crane fly control:** Apply Dursban 1G at a rate of 3.5 pounds per 1,000 sq ft using any granular application equipment as described above. For increased effectiveness, follow the granule application with a thorough watering to move the insecticide into the soil. Apply the equivalent of 1/2 to 1 inch of water by using a sprinkler or other means of applying water to turf. Consult your local Agricultural Extension Service specialist for timing of application in your geographic area.
4. **White grub control (such as larvae of Japanese beetle, black turfgrass ataenius, European chafer, and southern masked chafer):** Apply Dursban 1G at 5 pounds per 1,000 sq ft (two times the amount of Dursban 1G shown in the table above). When high populations of grubs are present in the area to be treated, a repeat application of 5 pounds of Dursban 1G per 1,000 sq ft may be made 7 to 14 days following the initial application. Apply granules uniformly over the treatment area. For increased effectiveness, follow the granule application with a thorough watering to move the insecticide into the soil. Apply the equivalent of 1/2 to 1 inch of water by using a sprinkler or other means of applying water to turf. For best results, treat when grubs are young and actively feeding near the soil surface. Consult your local Agricultural Extension Service specialist for proper time to treat in your geographic area.
5. **For control of ticks infesting areas around houses and in yard areas,** tuck pants 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 attach during treatment.

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 extension service.

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To Prevent Infestation of Buildings by Insects Such as:

ants	crickets
earwigs	fleas
sowbugs (pillbugs)	clover mites
ticks	boxelder bugs
spiders	

Treat a band of soil 6 to 10 feet around and adjacent to the perimeter of the building where pests are active and may find entrance. Use the same dosage recommended (2.5 pounds per 1,000 sq. ft.) for control of these pests on turf found in the application chart.

To Control the Following Insects in Flower Gardens and Under and Around Shrubbery:

ants	fire ants
crickets	cutworms
sowbugs (pillbugs)	grasshoppers
earwig	armyworms
ticks	

Apply Dursban 1G evenly over soil within flower beds and under shrubbery. Use the same dosage recommended (2.5 pounds per 1,000 sq. ft.) for control of these pests on turf found in the application chart. Treat individual fire ant mounds as instructed above by adding 2 oz. (4 Tablespoons) of Dursban 1G gently and evenly to the surface and surrounding two feet of active fire ant mounds during early morning or late evening; when ants are least active.

Note: 1 oz = 6 teaspoons = 2 tablespoons = 1/8 cup

To Control Various Insects in Certain Vegetable Crops:**Onions**

Pests controlled include: onion maggot

At-Planting Application: Apply 5.5 oz (11 Tablespoons) of Dursban 1G per 100 feet of row by placing granules in the furrow at planting time. Cover Dursban 1G and onion sets with suitable soil.

Restrictions: Make only one application per year at planting time.

Peanuts

Pests controlled include:

Cutworms	Lesser Cornstalk Borer
Wireworms	Southern Corn Rootworm Larvae

At Plant Application

Apply 11 (1 3/8 cups) to 22.5 ounces (2 7/8 cups) of Dursban 1G per 100 feet of row by placing granules in a 6 to 12 inch wide band over the row after the seeds have been placed in the planting furrow and covered. Lightly incorporate the Dursban 1G into the surface of the soil.

Post-Plant Application

Apply 11 (1 3/8 cups) to 22.5 ounces (2 7/8 cups) of Dursban 1G per 100 feet of row at early flowering stage in a 6 to 12 inch band over the row; or during early pegging in a 10 to 18 inch band over the fruiting

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zone. Use the 11 ounce rate only if the 11 ounce rate was applied at plant. Irrigation or rain following application will enhance activity.

Restrictions:

Do not apply more than a total of 22.5 ounces of Dursban 1G per 100 feet of row per season.
Do not harvest within 21 days of last treatment.
Do not feed above ground portions of peanut plants to meat or dairy animals.

Sunflowers

Pests controlled include: cutworms.

At-Plant Application: Apply 12.5 ounces (1 1/2 cup) of Dursban 1G per 100 feet of row by placing granules in a 7 inch wide band over the row after the seeds have been placed in the planting furrow and covered. Lightly incorporate the Dursban 1G into the top 1 inch of soil.

Restriction: Make only one application per year at planting time.

Sweet Potatoes

Pests controlled include:

Wireworms Flea Beetles
Sweet Potato Beetle

Pre-Plant Broadcast Application: Evenly broadcast 4 3/8 pounds of Dursban 1G per 1,000 sq ft of planting area over the soil surface and then incorporate the granules down to a depth of 4 to 6 inches. Plant the sweet potatoes in the usual manner no later than 14 days after treatment (any delay in planting will reduce the length of time that Dursban 1G will protect against feeding damage by the listed pests). Dursban 1G will not control false wireworm or whitefringed beetle and certain other grubs that attack sweet potatoes.

Restrictions:

Make only one application per year prior to planting.
Do not harvest within 125 days of treatment.

Vegetables

To control **root maggot** and other pests in the following vegetables: **Broccoli, Brussels sprout, cabbage, cauliflower, Chinese cabbage, collards, kale, kohlrabi, rutabagas and turnips.**

At-Plant Application: Apply 7.5 ounces (1 cup) to 14 ounces (1 3/4 cups) of Dursban 1G per 100 feet of row by placing granules in a 4 inch wide band over the row after the seeds have been placed in the planting furrow and covered. Lightly incorporate the Dursban 1G into the top 1/4 to 1/2 inch of soil.

Restrictions:

Make only one application per year at planting time.
Do not use rutabaga tops for food or feed purposes.

Radishes

Pests controlled include: root maggot.

At-Plant Application: Apply 5 ounces (5/8 cup) of Dursban 1G per 100 feet of row by placing granules in the furrow at planting time. Cover Dursban 1G and seeds with suitable soil.