

1/31/97

PM 19

62719-14

Pg 12 11

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 NOTIF

OPP Identifier Number  
249104

Application for Pesticide - Section I

1. Company/Product Number DowElanco/62719-14	2. EPA Product Manager Dennis Edwards	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) DowElanco/Dursban 1/2G Granular Insecticide	PM# 19.8	
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.)

Submission of Notification per PR Notice 93-3 & 93-8, Notification of Environmental Hazards Statement and Application Rate.

NOTIFICATION

JAN 31 1997

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 20-JANUARY-1997	

27 11

(Logo) DowElanco

# Dursban\* 1/2G Granular Insecticide

- Ready To Use Granules With Built In Applicator
- Stops Bugs Before They Come Inside
- Use Around Foundation To Control Insects, Including Ants, Spiders, Fleas, Ticks, Earwigs, Beetles, and More
- Contains Dursban Insecticide
- Treats Up To 1,000 sq ft

For control of various insects (and other arthropods) infesting lawns and other ornamental turf areas, flower beds, under shrubbery, buildings, and in home vegetable gardens.

Active Ingredient(s):

chlorpyrifos: O,O-diethyl O-(3,5,6-trichloro-2-pyridinyl) phosphorothioate .....	0.5%
Inert Ingredients .....	99.5%
Total .....	100.0%

**NOTIFICATION**  
JAN 31 1997

---

### 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 contact with eyes. Flush contaminated eyes with plenty of water, and get medical attention if irritation persists. 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 with plenty of water. Get medical attention.

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

3711

**Environmental Hazards**

This product is toxic to fish, birds, and other wildlife. Keep out of any body of water. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not feed treated grass clippings to livestock. Apply this product only as specified on this label.

EPA Reg. No. 62719-14

EPA. Est. XXXXX-XX-XX

**Insecticide**

**Net Contents - \_\_\_\_\_**

\*Trademark of DowElanco  
DowElanco • Indianapolis, IN 46268, U.S.A.

4/11

---

**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 contact with eyes. Flush contaminated eyes with plenty of water, and get medical attention if irritation persists. 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 with plenty of water. Get medical attention.

**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 apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not feed treated grass clippings to livestock. Apply this product only as specified on this label.

---

**Directions for Use**

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

**Do Not Use This Product Indoors.****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 on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty bag into application equipment. Then dispose of bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## Insect Control for Home Lawns and Other Recreational and Ornamental Turf Areas

### Insects Controlled Include:

Chinch Bugs	Sod Webworms (lawn moths)
Fleas	Chiggers
Ants	(1) Fire Ants
Crickets	Armyworms
Sowbugs (pillbugs)	Earwigs
Billbugs	(2) Hyperodes (turfgrass) Weevils
Cutworms	<sup>†</sup> (3) European Crane Fly Larvae
Grasshoppers	<sup>†</sup> (4) White Grubs
Boxelder Bugs	(5) Ticks (including deer ticks)
Clover Mites	

<sup>†</sup>Indicates that watering in of Dursban 1/2G will increase effectiveness.

(#) Numbers in parentheses refer to specialized application directions.

### Dosage Rates

Area To Be Treated	Pounds Of Dursban 1/2G
1,000 sq ft	5.0 pounds
2,500 sq ft	12.5 pounds
4,000 sq ft	20.0 pounds
5,000 sq ft	25.0 pounds
10,000 sq ft	50.0 pounds

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

### Spreader Settings

Application rate (lb per 1,000 sq ft)	Lilly/Miller	Central	Scotts	Ortho Drop
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	9.50	11.5	9.0

**Applications (To Turf):** Apply Dursban 1/2G uniformly to home lawns at the rate of 5 pounds per 1,000 sq ft, or 4 pounds per 800 sq ft. Consult the table below to determine the amounts of Dursban 1/2G needed for 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 1/2G on the lawn, apply one-half of the required amount of product in one direction; then apply the balance at a right angle.

6711

**Specific Directions**

1. **Fire Ant Control** (for individual fire ant mounds): Apply Dursban 1/2G at a rate of 4 ounces (8 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 10 pounds of Dursban 1/2G 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 Larvae Control**: Apply Dursban 1/2G at a rate of 7 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 atenius, European chafer, and southern masked chafer)**: Apply Dursban 1/2G at 10 pounds per 1,000 sq ft (two times the amount of Dursban 1/2G shown in the table above). Apply the granules uniformly over the area to be treated. When high populations of grubs are present in the area to be treated, a repeat application of 10 pounds of Dursban 1/2G per 1,000 sq ft may be made 7 to 14 days following the initial application. 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. **Tick Control**: 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.

---

**To Help Prevent Infestation Of Buildings By Insects**


---

**Insects controlled include:**

Ants	Crickets
Earwigs	Fleas
Sowbugs (pillbugs)	Clover Mites
Ticks	Boxelder Bugs
Spiders	

2711

**Application:** 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 (5 lb per 1,000 sq ft, or 4 lb per 800 sq ft) for control of these pests on turf found in the application chart.

### **Insect Control In Flower Gardens And Under And Around Shrubbery**

**Insects controlled include:**

Amyworms	Fire Ants
Ants	Grasshoppers
Crickets	Mosquitos
Cutworms	Ticks
Deer ticks	Sowbugs (pillbugs)
Earwig	

**Application:** Apply Dursban 1/2G evenly over soil within flower beds and under shrubbery. Use the same dosage recommended for control of these pests on turf found in the application chart. Treat individual fire ant mounds as instructed above by adding 4 oz (8 Tablespoons) of Dursban 1/2G 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

### **Insect Control In Home Garden Vegetables:**

#### **Onions**

**Pests controlled include:**

Onion Maggots

Apply 11 1/4 oz (22 1/2 tablespoons) of Dursban 1/2G per 100 feet of row by placing granules in the furrow at planting time. Cover Dursban 1/2G and onion sets with suitable soil.

**Restrictions:** Do not make more than one application per year (i.e., one application per year; only at planting time).

#### **Peanuts**

**Pests Controlled Include:**

Cutworms	Lesser Cornstalk Borer
Wireworms	Southern Corn Rootworm Larvae

**At-Plant Application:** Apply 22 1/2 (2 3/4 cups) to 45 ounces (5 3/4 cups) of Dursban 1/2G 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 1/2G into the surface of the soil.

**Post-Plant Application:** Apply 22 1/2 (2 3/4 cups) to 45 ounces (5 3/4 cups) of Dursban 1/2G 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 zone. Use the 22 1/2 ounce rate only if the 22 1/2 ounce rate was applied at plant. Irrigation or rain following application will enhance activity.

8/11

**Restrictions:** Do not apply more than a total of 45 ounces of Dursban 1/2G per 100 feet of row per season. Do not harvest within 21 days of last treatment. Do not feed peanut forage or hay to meat or dairy animals.

**Sunflowers:**

**Pests Controlled include:**

Cutworms

**At-Plant Application:** Apply 25 ounces (3 1/8 cup) of Dursban 1/2G 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 1/2G into the top 1 inch of soil.

**Restrictions:** Do not make more than one application per season.

**Sweet Potatoes**

**Pests Controlled Include:**

Wireworms                      Flea Beetles  
Sweet Potato Beetle

**Pre-Plant Broadcast Application:** Evenly broadcast 8 3/4 pounds of Dursban 1/2G 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 1/2G will protect against feeding damage by the listed pests). Dursban 1/2G will not control false wireworm of whitefringed beetle and certain other grubs that attack sweet potatoes.

**Restrictions:** Do not make more than one application per season. Do not harvest within 125 days of treatment.

**Vegetables:**

- Broccoli
- Brussels sprouts
- Cabbage
- Cauliflower
- Chinese cabbage
- Collards
- Kale
- Kohlrabi
- Rutabagas
- Turnips

**Pests Controlled Include:**

Root Maggots

**At-Plant Application:** Apply 15 ounces (1 7/8 cups) to 27 1/2 ounces (3 1/2 cups) of Dursban 1/2G 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 1/2G into the top 1/4 to 1/2 inch of soil.

**Restrictions:** Do not make more than one application per season. Do not use rutabaga tops for food or feed purposes.



9711

**Rádishes:**

**Pests Controlled Include:**

Root Maggots

**At-Plant Application:** Apply 10 ounces (1 1/4 cups) of Dursban 1/2G per 100 feet of row by placing granules in the furrow at planting time. Cover Dursban 1/2G and seeds with suitable soil.

**Restrictions:** Do not apply more than one application per season.

**Sweet Corn And Popcorn**

**Pests Controlled Include:**

Wireworms	Northern and Western Corn Rootworm Larvae
Seed Corn Maggots	Southern Corn Rootworm Larvae
Root Maggots	Lesser Cornstalk Borer
Seed Corn Beetle	Flea Beetle Larvae
Symphylans	European and Southwestern Corn Borer
Cutworms	Chinch Bug
Fire Ants	Grubs
Billbugs	

**At-Plant Application:** Apply 25 ounces (3 1/8 cups) to 37 3/4 ounces (4 3/4 cups) of Dursban 1/2G per 100 feet of row. With seed still uncovered in furrow apply granules in a 10 inch wide band over seed in furrow at the same time applying along side furrow for a total of a 10 inch band. Cover seed with treated soil. Any remaining granules after seed is covered should be lightly incorporated into the top 1/2 to 1 inch of soil. In soils over 10% organic matter, use the highest rate given (37 3/4 ounces per 100 feet of row).

**Restrictions:** Do not make more than one application per season.

---

**Warranty Disclaimer**

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

---

**Inherent Risks of Use**

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Seller. All such risks shall be assumed by Buyer.

107-11

---

**Limitation of Remedies**

---

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Seller's election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used.

Seller shall not be liable for losses or damages resulting from handling or use of this product unless Seller is promptly notified of such loss or damage in writing. In no case shall Seller be liable for consequential or incidental damages or losses.

The terms of the "Warranty Disclaimer" above and this "Limitation of Remedies" cannot be varied by any written or verbal statements or agreements. No employee or sales agent of the Seller or the seller is authorized to vary or exceed the terms of the "Warranty Disclaimer" or this "Limitation of Remedies" in any manner.

\*Trademark of DowElanco

EPA Accepted: 08-26-96

11711

# Dursban\* 1/2G Granular Insecticide

EPA Reg. No. 62719-14

## Registration Notes:

Current label text based on EPA accepted copy dated 08-26-96.

## Proposed Label Changes by Notification prepared January 13, 1997:

1. Environmental Hazards statement corrected.
2. Under the sections "Insect Control for Home Lawns and Other Recreational and Ornamental Turf Areas" and "To Help Prevent Infestation of Buildings by Insects", the application rate was revised to reflect an additional rate of 4 lb per 800 square feet.

\*Trademark of DowElanco

[Editor's note: Added text underlined; deleted text denoted by strike-through.]

**NOTIFICATION**

JAN 31 1997

