

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0080. Approval expires 05-31-98



United States Environmental Protection Agency Washington, DC 20460

Registration Amendment Other Notif

OPP Identifier Number 249088

Application for Pesticide - Section I

1. Company/Product Number: DowElanco / 62719-210
2. EPA Product Manager: D. Edwards
3. Proposed Classification: [X] None [] Restricted
4. Company/Product (Name): DowElanco / Dursban 1G Insecticide
5. Name and Address of Applicant: DowElanco, 9330 Zionsville Road, Indianapolis, IN 46268
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

Amendment - Explain below. Resubmission in response to Agency letter dated. Notification - Explain below. Final printed labels in response to Agency letter dated. "Me Too" Application. Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.) Notification of clarification of application rates to accommodate smaller package size per PR Notice 93-3, 93-8 and 95-2. NOTIFICATION

Section - III

1. Material This Product Will Be Packaged In: Child-Resistant Packaging, Unit Packaging, Water Soluble Packaging, 2. Type of Container: Metal, Plastic, Glass, Paper, Other (Specify). 3. Location of Net Contents Information: Label, Container. 4. Size(s) Retail Container. 5. Location of Label Directions: On Label, On Labeling accompanying product. 6. Manner in Which Label is Affixed to Product: Lithograph, Paper glued, Stenciled, Other.

Section - IV

1. Contact Point: Name: Kenneth D. Racke, Ph.D., Title: Product Registration Manager, Telephone No.: (317) 337-4654. Certification: I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. 2. Signature: [Handwritten Signature], 3. Title: Product Registration Manager, 4. Typed Name: Kenneth D. Racke, Ph.D., 5. Date: December 20, 1996, 6. Date Application Received: (Stamped)

Dursban* 1G Insecticide

EPA Reg. No. 62719-210

Registration Notes:

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

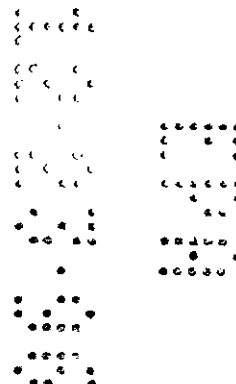
Proposed Label Changes by Notification prepared December 17, 1996:

1. Environmental Hazards statement corrected.
2. Under Approved Uses, Applications to Turf: "3. European crane fly control" was changed to "3. European crane fly larvae control."
3. Under Approved Uses, the application rate was revised to reflect an additional rate of 1 lb per 400 square feet under the sections titled "Applications to Turf" and "To Control the Following Insects in Flower Gardens and Under and Around Shrubbery."

*Trademark of DowElanco

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

NOTIFICATION



3 7 9

Dursban* 1G Insecticide

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.....	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.

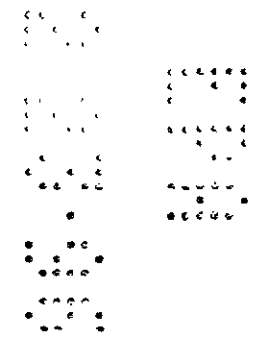
If on Skin: Wash thoroughly with soap and water.

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 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 when disposing of equipment washwaters. Apply this product only as specified on this label.



4 7 9

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 home vegetable gardens. **Do not use this product indoors.**

Insects Controlled Include:

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

†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

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

BEST AVAILABLE COPY

Approved Uses

Applications to Turf

Apply Dursban 1G uniformly to home lawns at the rate of 2.5 pounds per 1,000 sq ft, or 1 pound per 400 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 larvae 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 atenius, 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.

BEST AVAILABLE COPY

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. or 1 pound per 400 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 Home Garden Vegetables:**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.

BEST AVAILABLE COPY

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 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 of 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.

BEST AVAILABLE COPY

8 7 9

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.

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

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 12.5 ounces (1 1/2 cups) to 19 ounces (2 3/8 cups) of Dursban 1G 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 wide 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 (19 ounces per 100 feet of row).

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

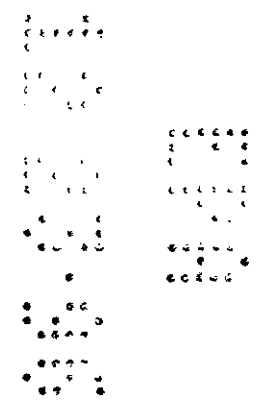
Warranty Disclaimer

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.

BEST AVAILABLE COPY



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

BEST AVAILABLE COPY

