

(logo) 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%

EPA Reg. No. 62719-210

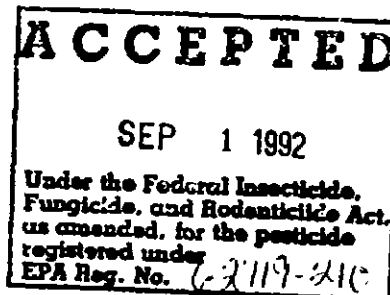
EPA Est. No. XXXXX-XX-XX

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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**

<u>Area To Be Treated</u>	<u>Pounds of Dursban 1G</u>
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, apply one-half the required amount of product in one direction, then apply the amount remaining at a right angle.

#### **Spreader Settings**

<u>Application rate</u> (lbs. per 1,000 sq. ft.)	<u>Lilly/Miller</u>	<u>Central</u>	<u>Scotts</u>	<u>Ortho</u> <u>Drop</u>
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

## 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 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~~  
~~to 10 pounds per 1,000 sq ft (two to four times the amounts of Dursban 1G shown in the table~~  
~~above). Apply the granules uniformly over the area to be treated. 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 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 12 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.

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**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 white-ringed 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.

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

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**Sweet Corn and Popcorn**

**Pests controlled include:**

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

**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 INFORMATION**

(Subregistrant may include appropriate statements to address Warranty Disclaimer, Inherent Risks of Use or Limitation of Remedies pertaining to use of this product.)

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2/24/92

**Revisions Include:**

- 1) Maximum application rate for a single application reduced from 10 to 5 lbs per 1000 sq ft (4 lb ai/A to 2 lb ai/A) for white grub control. An additional application of 5 lb/1000 sq ft (2 lb ai/A) after 7 to 14 days is recommended in areas with high grub populations.

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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 the granules uniformly over the treated 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 the proper time to treat in your geographical area.