

PM 04

62719-271

12/2/98

page 1 of 22

A1A/Dursban 1F/FPL/12-22-98
file: Dursban 1F 271 Dec98f.doc

Dursban* 1F

EPA Reg. No. 62719-271

Registration Notes:

Final printed label based on EPA accepted text dated December 2, 1998.

*Trademark of Dow AgroSciences LLC

NOT REVIEWED
In Accordance with FR Notice 82-2.
Based on Direct Labeling Exempt
12-2-98

4 / 22

Precautionary Statements

Hazards to humans and domestic animals

Keep Out of Reach of Children

CAUTION

Causes moderate eye irritation.

Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

First Aid

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 is an antidote.

Environmental Hazards

This product is toxic to fish, birds, and other wildlife. 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 apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. 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.

Read these entire directions and disclaimer before use. Use strictly in accordance with label precautionary statements, directions for use and disclaimer.

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

Storage and Disposal

Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment. Open dumping is prohibited. Do not reuse empty container.

Storage: Store unused product in original container only. Store in a cool, dry area out of the reach of children and animals. Not for storage in or around the home. Protect from excess heat. Protect from freezing.

Pesticide disposal: Wastes resulting from the use of this product may be disposed of on site or in an approved waste disposal facility.

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

5722

General Information

Dursban* 1F insecticide is intended for control of various insects (and other arthropods) infesting lawns and other ornamental turf areas, flower beds and shrubbery. Best results are obtained if the treated area receives approximately 1/2 inch of rainfall or irrigation immediately after application to move the insecticide into the zone of insect infestation and activate the fertilizer.

General Fertility Note: Turfgrass requires periodic feedings throughout the season. At those times of year when insecticide applications are not required, use a suitable lawn fertilizer to maintain turfgrasses in a vigorous growth condition.

Do not apply more than 10 lb per 1000 sq ft per year.

Do not reapply within 7 days of initial application.

Do not use this product indoors.

Approved Uses

Applications to Turf

Apply Dursban 1F uniformly to home lawns at the rate of 2.5 pounds per 1,000 sq ft unless higher rate is specified in Specific Use Directions below. Use any hand or power-operated gravity or rotary type spreader designed for application of granular materials. To help obtain uniform distribution of Dursban 1F on the lawn, apply one-half of the required amount of product in one direction; then apply the amount remaining at a right angle.

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 1F will increase effectiveness.

(#) Numbers in parentheses refer to Specific Use Directions.

Specific Use Directions:

- 1. Fire ant control (for individual ant mounds):** Apply Dursban 1F 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.

6722

2. **Turfgrass weevil Control (larvae of Hyperodes weevil)** Apply 5 pounds of Dursban 1F 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 1F 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 1F at 5 pounds per 1,000 sq ft (two times the amount of Dursban 1F 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 1F 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.

Rate Calculation

To determine the amount of Dursban 1F required for treatment: (1) Calculate the number of square feet in the area to be treated, by determining length (L) and width (W) and then multiply L time W; (2) Divide the number of square feet in the area to be treated by 1000 to calculate the number of 1000 sq ft units to be treated; and (3) Determine the total amount of Dursban 1F needed by multiplying this value (the number of thousands of square feet to be treated) times the application rate.

Example:

- Length (L) = 75 feet and Width (W) = 45 feet (75 X 45 = 3375 sq ft)
- 3375 sq ft divided by 1000 = 3.375 thousands of square feet
- If the application rate is 3.5 lb per 1000 sq ft, the amount to use would be 3.5 X 3.375 = 11.8 lb

7 7 22

Spreader Settings As a Guide to Calibration

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

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

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

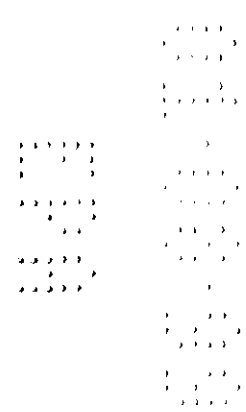
Apply Dursban 1F evenly over soil within flower beds and under shrubbery. Use the same dosage recommended for control of these pests on turf found in the application chart. Treat individual fire ant mounds as instructed above.

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.



~~Greenlawn Plus*~~ Dursban* 1F

~~21-5-7 Insect killer~~

[Editor's note: Supplemental distributor may insert fertility claims related to the fertilizer component of product formulation.]

~~Iron added for greener lawn.~~

~~Controls turf insects and fertilizes your lawn in one easy application.~~

~~For control of various insects (and other arthropods) infesting lawns and other ornamental turf areas, flower beds, under shrubbery,~~

~~and/or~~

~~Fertilizes your lawn in one easy application~~

~~and/or~~

~~Iron added for greener lawn~~

~~and/or~~

~~Contains Dursban~~

~~and/or~~

~~Contains Dursban - the solution to insect problems~~

~~and/or~~

~~Treats up to 10,000 sq ft~~

~~and/or~~

~~Treats from 5,000 to 10,000 sq ft~~

~~and/or~~

~~Ready-to-use granules~~

~~and/or~~

~~Do-it-yourself insect control~~

~~and/or~~

~~Can be applied spring, summer, and fall~~

~~and/or~~

~~Effective European Crane fly control~~

~~and/or~~

~~Kills home invading pests~~

~~and/or~~

~~Effective outdoor ant control~~

~~and/or~~

~~Controls fire ants~~

~~and/or~~

~~For mound treatment control of imported fire ants~~

~~and/or~~

~~Kills lawn insects~~

~~and/or~~

~~Controls all major lawn insect problems~~

~~and/or~~

~~Effective insect control in lawns and gardens~~

~~and/or~~

~~Controls surface insects that live in thatch~~

~~and/or~~

~~Controls ants, fleas, and ticks in one easy application~~

~~and/or~~

~~Controls ants, fleas, grubs, and ticks~~

~~and/or~~

ACCEPTED
Dec 2, 1998
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 62715-271

For chinch bugs, ants, fleas and other insects

and/or

Control chinch bugs for up to five weeks

and/or

For flea and tick control

and/or

Stops fleas and other surface insects

and/or

Effective grub control

and/or

Kills grubs and other sub-surface and surface insects

Active ingredient

chlorpyrifos: O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate 1.0%

Inert ingredients (not more than)^{††} 99.0%

Total 100.0%

~~††Fertilizer — Guaranteed Analytic 21-6-7~~

~~Total Nitrogen (N) 21.0%~~

~~(6.5% Water Insoluble Nitrogen)~~

~~Available Phosphoric Acid (P₂O₅) 5.0%~~

~~Soluble Potash (K₂O) 7.0%~~

~~Iron (Fe) 0.1%~~

Guaranteed Fertilizer Analysis [†]	
Total Nitrogen (N)	XX.X%
Available Phosphoric Acid (P ₂ O ₅)	XX.X%
Soluble Potash (K ₂ O)	XX.X%

[[†]Editor's note: See formulator label for specific fertilizer analysis of the fertilizer blend used.]

Contains 0.43^{††} pounds active ingredient per 50 pound bag.

[^{††}Editor's note: Amount of active ingredient may be calculated according to package size chosen by supplemental distributor.]

U.S. Patent No. 3,244,588

Keep out of reach of children

CAUTION

See additional cautions and warnings on back panel

EPA Reg. No. 62719-271

EPA Est. _____

*Contains Dursban insecticide a trademark Trademark of DowElanco

DowElanco • Indianapolis, Indiana 46268-1054 USA

[Editor's Note: Name and address of supplemental distributor in place of name and address for DowElanco.

For example: "Manufactured for: Company Name • City, State Zip Code".]

Insecticide

Net Wt. ___ lb

Precautionary statements

Hazards to humans and domestic animals**Keep Out of Reach of Children****CAUTION****Causes moderate eye irritation.**

Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. May Be Harmful if Swallowed. Avoid breathing of dust. Do not get in eyes or on skin. Wash thoroughly after handling. Wash contaminated clothing before reuse. Flush contaminated eyes with plenty of water and get medical attention. Keep away from food, feedstuffs, and water supplies. Keep container closed.

First Aid

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 is an antidote.

Environmental Hazards

This product is toxic to fish, birds, and other wildlife. 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 apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. 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.

Read these entire directions and disclaimer before use. Use strictly in accordance with label precautionary statements, directions for use and disclaimer.

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

Storage and Disposal

Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment. Open dumping is prohibited. Do not reuse empty container.

Storage: Store unused product in original container only. Store in a cool, dry area out of the reach of children and animals. Not for storage in or around the home. Protect from excess heat. Protect from freezing.

Pesticide disposal: Wastes resulting from the use of this product may be disposed of on site or in an approved waste disposal facility.

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

Application method

To help obtain uniform distribution, apply 1/2 the required amount of fertilizer-Dursban[®] combination in one direction and apply the balance at right angles. Immediately after application, water turf with 30 gallons of water per 1,000 sq ft (sufficient water to soak the top 2-3 inches of soil) so as to wash the insecticide into the zone of insect infestation. The table below indicates water needed for larger sized areas. Keep children and pets off treated areas until material is washed into the soil and grass is dry.

Rates to Use

Area to be Treated	Gallons of Water to Sprinkle Turf After Treatment
1,000 sq ft	30 gal
5,000 sq ft	150 gal
10,000 sq ft	300 gal
43,560 sq ft (1 acre)	1,200 gal

Grubs (European Chafer, Japanese Beetle): Apply 4.6 pounds Agway Greenlawn Plus Insect Killer per 1,000 sq ft in spring. Treatment recommended when 2 to 4 grubs are present per sq ft of soil. (Bag covers 5,000 sq ft per application.)

The annual treatment of control European chafer grubs should be made during August 15-31 to get easy to kill young grubs. Apply 4.6 pounds per 1,000 sq ft. (Bag covers 5,000 sq ft per application.)

Late summer or early fall applications are also effective for control of other grubs. Apply at same rate.

Sod Webworms: Apply at the rate of 2.3 pounds per 1,000 sq ft July 15 and repeat at the same rate on August 15. Presence of insect indicated by adult moths flying over lawn. (Bag covers 10,000 sq ft per application.)

Chinch Bugs: Apply Agway Greenlawn Plus Insect Killer at the rate of 2.3 pounds per 1,000 sq ft on June 1, July 1, and August 1. (Bag covers 10,000 sq ft per application.)

General Fertility Note: Turfgrass requires periodic feedings through the season. At those times of year when insecticide applications are not required, substitute Agway Greenlawn Plus 22-6-8 so that a total of 18 to 20 pounds per 1,000 sq ft of any of Greenlawn products are applied annually in not less than four applications.

Approximate settings:

Spreader	4.6 lb/1,000 sq ft (Bag covers 5,000 sq ft)		2.3 lb/1,000 sq ft (Bag covers 5,000 sq ft)
	Twice-Over Application	Once-Over Application	Once-Over Application
Agway or Jackson	5	6-1/2	5
Agway or Cyclone-B	3-1/2	4-1/2	3-1/2
Scotts	4-1/2	6	4-1/2

General Information

Dursban® 1F insecticide is intended for control of various insects (and other arthropods) infesting lawns and other ornamental turf areas, flower beds and shrubbery. Best results are obtained if the treated area receives approximately ½ inch of rainfall or irrigation immediately after application to move the insecticide into the zone of insect infestation and activate the fertilizer.

General Fertility Note: Turfgrass requires periodic feedings throughout the season. At those times of year when insecticide applications are not required, use a suitable lawn fertilizer to maintain turfgrasses in a vigorous growth condition.

Do not apply more than 10 lb per 1000 sq ft per year.

Do not reapply within 7 days of initial application.

Do not use this product indoors.

Approved UsesApplications to Turf

Apply Dursban 1F uniformly to home lawns at the rate of 2.5 pounds per 1,000 sq ft unless higher rate is specified in Specific Use Directions below. Use any hand or power-operated gravity or rotary type spreader designed for application of granular materials. To help obtain uniform distribution of Dursban 1F on the lawn, apply one-half of the required amount of product in one direction; then apply the amount remaining at a right angle.

Insects Controlled Include:

<u>ants</u>	<u>fleas</u>
<u>armyworms</u>	<u>grasshoppers</u>
<u>billbugs</u>	<u>sod webworms (lawn moths)</u>
<u>boxelder bugs</u>	<u>scowbugs (pillbugs)</u>
<u>chiggers</u>	<u>(1) fire ants</u>
<u>chinch bugs</u>	<u>(2) Hyperodes (turfgrass) weevils</u>
<u>clover mites</u>	<u>(3) European crane fly larvae⁴</u>
<u>crickets</u>	<u>(4) white grubs⁴</u>
<u>cutworms</u>	<u>(5) ticks (including deer ticks)</u>
<u>earwigs</u>	

⁴Indicates that watering in of Dursban 1F will increase effectiveness.

(#) Numbers in parentheses refer to Specific Use Directions.

Specific Use Directions:

1. Fire ant control (for individual ant mounds): Apply Dursban 1F 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 1F 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 1F 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 ateniens, European chafer, and southern masked chafer): Apply Dursban 1F at 5 pounds per 1,000 sq ft (two times the amount of Dursban 1F 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 1F 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.

Rate Calculation

To determine the amount of Dursban 1F required for treatment: (1) Calculate the number of square feet in the area to be treated, by determining length (L) and width (W) and then multiply L time W; (2) Divide the number of square feet in the area to be treated by 1000 to calculate the number of 1000 sq ft units to be treated; and (3) Determine the total amount of Dursban 1F needed by multiplying this value (the number of thousands of square feet to be treated) times the application rate.

Example:

- Length (L) = 75 feet and Width (W) = 45 feet (75 X 45 = 3375 sq ft)
- 3375 sq ft divided by 1000 = 3.375 thousands of square feet
- If the application rate is 3.5 lb per 1000 sq ft, the amount to use would be 3.5 X 3.375 = 11.8 lb

Spreader Settings As a Guide to Calibration

(Editor's note: Supplemental distributor may insert a table containing calibration settings for recommended spreader equipment.)

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

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

<u>ants</u>	<u>foraging fire ants</u>
<u>crickets</u>	<u>cutworms</u>
<u>sowbugs (pillbugs)</u>	<u>grasshoppers</u>
<u>earwig</u>	<u>armyworms</u>
<u>ticks</u>	

Apply Dursban 1F 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.

(Editor's Note: Subregistrant may enter appropriate Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies.)

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.

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.

NOTE: This pesticide product is to be sold ONLY in this original unbroken package.

Trademark of DowElanco
EPA-Accepted / /

~~Greenlawn Plus*~~ Dursban* 1F

21-5-7 Insect killer

[Editor's note: Supplemental distributor may insert fertility claims related to the fertilizer component of product formulation.]

~~Iron added for greener lawn.~~

~~Controls turf insects and fertilizes your lawn in one easy application.~~

~~For control of various insects (and other arthropods) infesting lawns and other ornamental turf areas, flower beds, under shrubbery,~~

~~and/or
Fertilizes your lawn in one easy application~~

~~and/or
Iron added for greener lawn~~

~~and/or
Contains Dursban~~

~~and/or
Contains Dursban - the solution to insect problems~~

~~and/or
Treats up to 10,000 sq ft~~

~~and/or
Treats from 5,000 to 10,000 sq ft~~

~~and/or
Ready-to-use granules~~

~~and/or
Do-it-yourself insect control~~

~~and/or
Can be applied spring, summer, and fall~~

~~and/or
Effective European Crane fly control~~

~~and/or
Kills home invading pests~~

~~and/or
Effective outdoor ant control~~

~~and/or
Controls fire ants~~

~~and/or
For mound treatment control of imported fire ants~~

~~and/or
Kills lawn insects~~

~~and/or
Controls all major lawn insect problems~~

~~and/or
Effective insect control in lawns and gardens~~

~~and/or
Controls surface insects that live in thatch~~

~~and/or
Controls ants, fleas, and ticks in one easy application~~

~~and/or
Controls ants, fleas, grubs, and ticks~~

ACCEPTED
Dec 2, 1998
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 62719-271

17 7 22

For chinch bugs, ants, fleas and other insects

and/or

Control chinch bugs for up to five weeks

and/or

For flea and tick control

and/or

Stops fleas and other surface insects

and/or

Effective grub control

and/or

Kills grubs and other sub-surface and surface insects

Active ingredient

chlorpyrifos: O,O-diethyl O-
(3,5,6-trichloro-2-pyridyl)
phosphorothioate 1.0%

Inert ingredients (not more than)^{††} 99.0%

Total 100.0%

††Fertilizer — Guaranteed Analysis 21-6-7

Total Nitrogen (N) 21.0%

(6.6% Water Insoluble Nitrogen)

Available Phosphoric Acid (P₂O₅) 6.0%

Soluble Potash (K₂O) 7.0%

Iron (Fe) 0.1%

Guaranteed Fertilizer Analysis†

Total Nitrogen (N) XX.X%

Available Phosphoric Acid (P₂O₅) XX.X%

Soluble Potash (K₂O) XX.X%

[†Editor's note: See formulator label for specific fertilizer analysis of the fertilizer blend used.]

Contains 0.43†† pounds active ingredient per 50 pound bag.

[††Editor's note: Amount of active ingredient may be calculated according to package size chosen by supplemental distributor.]

U.S. Patent No. 3,244,588

Keep out of reach of children

CAUTION

See additional cautions and warnings on back panel

EPA Reg. No. 62719-271

EPA Est. _____

*Contains Dursban insecticide a trademark/Trademark of DowElanco

DowElanco • Indianapolis, Indiana 46268-1054 USA

[Editor's Note: Name and address of supplemental distributor in place of name and address for DowElanco.

For example: "Manufactured for: Company Name • City, State Zip Code".]

Insecticide

Net Wt. ___ lb

Precautionary statements**Hazards to humans and domestic animals****Keep Out of Reach of Children****CAUTION**Causes moderate eye irritation.

Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.
~~May Be Harmful if Swallowed. Avoid breathing of dust. Do not get in eyes or on skin. Wash thoroughly after handling. Wash contaminated clothing before reuse. Flush contaminated eyes with plenty of water and get medical attention. Keep away from food, feedstuffs, and water supplies. Keep container closed.~~

First AidIf 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 is an antidote.

Environmental Hazards

This product is toxic to fish, birds, and other wildlife. 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 apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. 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.

Read these entire directions and disclaimer before use. Use strictly in accordance with label precautionary statements, directions for use and disclaimer.

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

Storage and Disposal

Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment. Open dumping is prohibited. Do not reuse empty container.

Storage: Store unused product in original container only. Store in a cool, dry area out of the reach of children and animals. Not for storage in or around the home. Protect from excess heat. Protect from freezing.

Pesticide disposal: Wastes resulting from the use of this product may be disposed of on site or in an approved waste disposal facility.

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

Application method

To help obtain uniform distribution, apply 1/2 the required amount of fertilizer-Dursban™ combination in one direction and apply the balance at right angle. Immediately after application, water turf with 30 gallons of water per 1,000 sq ft (sufficient water to soak the top 2-3 inches of soil) so as to wash the insecticide into the zone of insect infestation. The table below indicates water needed for larger sized areas. Keep children and pets off treated areas until material is washed into the soil and grass is dry.

19 8 22

Rates to Use

Area to be Treated	Gallons of Water to Sprinkle Turf After Treatment
1,000 sq ft	30 gal
5,000 sq ft	150 gal
10,000 sq ft	300 gal
43,560 sq ft (1 acre)	1,200 gal

Grubs (European Chafer, Japanese Beetle): Apply 4.6 pounds Agway Greenlawn Plus Insect Killer per 1,000 sq ft in spring. Treatment recommended when 2 to 4 grubs are present per sq ft of soil. (Bag covers 5,000 sq ft per application.)

The annual treatment of control European chafer grubs should be made during August 15-31 to get easy to kill young grubs. Apply 4.6 pounds per 1,000 sq ft. (Bag covers 5,000 sq ft per application.)

Late summer or early fall applications are also effective for control of other grubs. Apply at same rate.

Sod Webworms: Apply at the rate of 2.3 pounds per 1,000 sq ft July 15 and repeat at the same rate on August 15. Presence of insect indicated by adult moths flying over lawn. (Bag covers 10,000 sq ft per application.)

Chinch Bugs: Apply Agway Greenlawn Plus Insect Killer at the rate of 2.3 pounds per 1,000 sq ft on June 1, July 1, and August 1. (Bag covers 10,000 sq ft per application.)

General Fertility Note: Turfgrass requires periodic feedings through the season. At those times of year when insecticide applications are not required, substitute Agway Greenlawn Plus 22-6-8 so that a total of 18 to 20 pounds per 1,000 sq ft of any of Greenlawn products are applied annually in not less than four applications.

Approximate settings:

Spreader	4.6 lb/1,000 sq ft (Bag covers 5,000 sq ft)		2.3 lb/1,000 sq ft (Bag covers 10,000 sq ft)
	Twice-Over Application	Once-Over Application	Once-Over Application
Agway or Jackson	5	6-1/2	5
Agway or Cyclone-B	3-1/2	4-1/2	3-1/2
Scotts	4-1/2	6	4-1/2

General Information

Dursban® 1F insecticide is intended for control of various insects (and other arthropods) infesting lawns and other ornamental turf areas, flower beds and shrubbery. Best results are obtained if the treated area receives approximately 1/2 inch of rainfall or irrigation immediately after application to move the insecticide into the zone of insect infestation and activate the fertilizer.

General Fertility Note: Turfgrass requires periodic feedings throughout the season. At those times of year when insecticide applications are not required, use a suitable lawn fertilizer to maintain turfgrasses in a vigorous growth condition.

Do not apply more than 10 lb per 1000 sq ft per year.

Do not reapply within 7 days of initial application.

Do not use this product indoors.

Approved Uses

Applications to Turf

Apply Dursban 1F uniformly to home lawns at the rate of 2.5 pounds per 1,000 sq ft unless higher rate is specified in Specific Use Directions below. Use any hand or power-operated gravity or rotary type spreader designed for application of granular materials. To help obtain uniform distribution of Dursban 1F on the lawn, apply one-half of the required amount of product in one direction; then apply the amount remaining at a right angle.

Insects Controlled Include:

<u>ants</u>	<u>fleas</u>
<u>armyworms</u>	<u>grasshoppers</u>
<u>billbugs</u>	<u>spd webworms (lawn moths)</u>
<u>boxelder bugs</u>	<u>sowbugs (pillbugs)</u>
<u>chiggers</u>	<u>(1) fire ants</u>
<u>chinch bugs</u>	<u>(2) Hyperodes (turfgrass) weevils</u>
<u>clover mites</u>	<u>(3) European crane fly larvae⁴</u>
<u>crickets</u>	<u>(4) white grubs⁴</u>
<u>cutworms</u>	<u>(5) ticks (including deer ticks)</u>
<u>earwigs</u>	

⁴Indicates that watering in of Dursban 1F will increase effectiveness.

(#) Numbers in parentheses refer to Specific Use Directions.

Specific Use Directions:

1. Fire ant control (for individual ant mounds): Apply Dursban 1F 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 1F 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 1F 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 ateniens, European chafer, and southern masked chafer): Apply Dursban 1F at 5 pounds per 1,000 sq ft (two times the amount of Dursban 1F 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 1F 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.

Rate Calculation

To determine the amount of Dursban 1F required for treatment: (1) Calculate the number of square feet in the area to be treated, by determining length (L) and width (W) and then multiply L time W; (2) Divide the number of square feet in the area to be treated by 1000 to calculate the number of 1000 sq ft units to be treated; and (3) Determine the total amount of Dursban 1F needed by multiplying this value (the number of thousands of square feet to be treated) times the application rate.

Example:

- Length (L) = 75 feet and Width (W) = 45 feet (75 X 45 = 3375 sq ft)
- 3375 sq ft divided by 1000 = 3.375 thousands of square feet
- If the application rate is 3.5 lb per 1000 sq ft, the amount to use would be 3.5 X 3.375 = 11.8 lb

Spreader Settings As a Guide to Calibration

[Editor's note: Supplemental distributor may insert a table containing calibration settings for recommended spreader equipment.]

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

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

- | | |
|---------------------------|---------------------------|
| <u>ants</u> | <u>foraging fire ants</u> |
| <u>crickets</u> | <u>cutworms</u> |
| <u>sowbugs (pillbugs)</u> | <u>grasshoppers</u> |
| <u>earwig</u> | <u>armyworms</u> |
| <u>ticks</u> | |

Apply Dursban 1F 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.

[Editor's Note: Subregistrant may enter appropriate Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies.]

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.

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.

NOTE: This pesticide product is to be sold ONLY in this original unbroken package.

*Trademark of DowElanco
EPA-Accepted / /