



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
401 M St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
9198-133

Date of Issuance:  
MAR 29 1995

NOTICE OF PESTICIDE:  
 Registration  
 Reregistration

Term of Issuance: Until  
Reregistration

Name of Pesticide Product:  
The Andersons 0.222%  
Dursban Brand  
Insecticide

(under FIFRA, as amended)

Name and Address of Registrant (Include ZIP Code):

The Andersons  
P.O. Box 119  
Maunee, Ohio 43537

Label changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label changes:
  - a. Revise the EPA Registration Number to read, "EPA Reg. No. 9198-133."
  - b. Delete "HOMEOWNER USE ONLY" from the top of each page.
  - c. Add a sentence to the beginning of the HAZARDS TO HUMANS AND DOMESTIC ANIMALS section: "Harmful if swallowed." Revise the eighth sentence to: "Keep children and pets off treated area during watering in and until area has dried."

Signature of Approving Official:

DHE

Dennis H. Edwards, Jr.  
Product Manager (19)  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

Date:

MAR 29 1995

d. Revise the ENVIRONMENTAL HAZARDS section to:

This pesticide is toxic to birds, fish, and aquatic invertebrates. Birds feeding in treated areas may be killed. Clean up spilled product to reduce exposure to wildlife. Do not apply directly to water. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

e. Revise the first paragraph of the directions for use for fire ant control to:

When used as directed, fire ant activity is reduced within 24 hours of the application. Control is achieved in 28 days. Retreating may be necessary.

3. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

*DHE*

Dennis H. Edwards, Jr.  
Product Manager (19)  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

Enclosure

3711

(Front Panel)

HOMEOWNER USE ONLY

THE ANDERSONS

0.222% DURSBAN\* BRAND INSECTICIDE

ACTIVE INGREDIENT:

Chlorpyrifos [0,0-diethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate] . . . . . 0.222%

INERT INGREDIENTS . . . . . 99.778%

\*DURSBAN is a Trademark of DowElanco

EPA REG. NO. 9198-(TO BE ASSIGNED) R G G

EPA EST. NO. 9198-OH-1

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

KEEP OUT OF REACH OF CHILDREN

CAUTION CUIDADO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONS

ACCEPTED with COMMENTS in EPA Letter Dated

MAR 29 1995

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

9198-153

NET WT. \_\_\_ LBS.

TREATS UP TO \_\_\_\_\_ SQ. FT.

(BACK PANEL)

HOMEOWNER USE ONLY

NET WT. \_\_LBS.

THE ANDERSONS

0.222% DURSBAN\* BRAND INSECTICIDE

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Do not take internally. Do not breathe dust. Avoid contact with skin, eyes, or clothing. May be absorbed through the skin. Wear long sleeves. Change clothing daily. Wash hands thoroughly after handling. Keep children and pets off treated area during irrigation and until area has dried. Avoid contamination of feed and foodstuffs. Food utensils such as teaspoon or measuring cup should not be used for food after use with a pesticide.

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.

**HOMEOWNER USE ONLY**

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish, birds, and other wildlife. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters. 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.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns.

DO NOT use this product indoors.

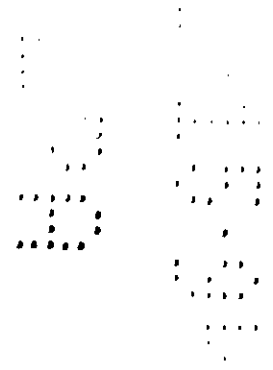
**INSECT CONTROL FOR HOME LAWNS AND OTHER RECREATIONAL AND ORNAMENTAL TURF AREAS.**

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 this product will increase effectiveness.  
(#)Numbers in parentheses refer to specialized application directions.



**HOMEOWNER USE ONLY****DOSAGE RATES**

<u>Area To Be Treated</u>	<u>Pounds of Dursban 0.222%</u>
1,000 sq. ft.	10 lbs.
2,000 sq. ft.	20 lbs.
4,000 sq. ft.	40 lbs.
5,000 sq. ft.	50 lbs.
10,000 sq. ft.	100 lbs.

**APPLICATION TO TURF**

Apply uniformly to home lawn at the rate of 10 lbs. per 1,000 sq. ft. Consult the table to determine the amounts needed for larger-sized areas. Use any hand or power-operated gravity or rotary type spreader for application of granular materials.

1. Fire ant control (for individual fire ant mounds): Used as directed, this product provides virtual elimination of fire ant activity within 24 hours of application. In an independent scientific study, this revolutionary product has been demonstrated to prevent all colony reestablishment by killing the queen before she can relocate. This is made possible by our unique, fast-acting delivery system, which is unlike other fire ant killer products on the market today.

Apply at the rate of 4 oz. (8 tablespoons) per active mound. Sprinkle granules gently and evenly over the surface of mound and out approximately six inches surrounding the mound, then thoroughly water granules in until they are not visible. For mounds up to eight inches in diameter, use one gallon of water, and for mounds greater than eight inches, use two gallons of water. Water should be sprinkled from the height of 3 to 4 feet above the mound to facilitate mound penetration.

Apply this product in the fall, winter and early spring, especially on a warm, sunny morning following a cool night. Avoid application from June through August as ants are less susceptible. For best results in large, open areas, in regions of the country such as Texas, where multiple queen colonies exist, apply a broadcast fire ant control product two days after treatments of mounds.

2. Turfgrass weevil control (larvae of Hyperodes weevil): Apply 20 lbs. 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 geographical area.

**HOMEOWNER USE ONLY**

3. **European crane fly larvae control:** Apply at a rate of 14 lbs. 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 ataelus, European chafer, and southern masked chafer):** Apply at 20 lbs. per 1,000 sq. ft. 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 20 lbs. 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 geographical 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.

**HOMEOWNER USE ONLY**

**TO HELP PREVENT INFESTATION OF BUILDINGS BY INSECTS:**

**Pest controlled include:**

- |                    |               |
|--------------------|---------------|
| 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 (10 lbs. per 1,000 sq. ft.) for control of these pests on turf found in the application

**INSECT CONTROL IN FLOWER GARDENS AND UNDER AND AROUND SHRUBBERY:**

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

Apply 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.

NOTE: 1 oz. = 6 teaspoons = 2 tablespoons = 1/8 cup

**INSECT CONTROL IN CERTAIN VEGETABLE CROPS:**

**Onions**

**Pests controlled include: Onion Maggot.**

**At-planting Application: Apply 22 oz. (44 tablespoons) per 100 feet of row by placing granules in the furrow at planting time. Cover Dursban 0.222G and onion sets with suitable soil.**

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

**Sunflowers**

**Pests controlled include:** Cutworms.

**At-planting Application:** Apply 50 oz. (6-1/4 cup) 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 granules 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-Planting Broadcast Application:** Evenly broadcast 17-1/2 lbs. of this product 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 the treatment (any delay in planting will reduce the length of time that this product will protect against feeding damage by the listed pests). This product will not control false wireworm or whitefringed beetle and certain other grubs that attack sweet potatoes.

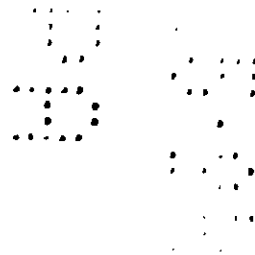
**Restrictions:**

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

**Vegetables**

- |                  |           |
|------------------|-----------|
| Broccoli         | Collards  |
| Brussels sprouts | kale      |
| cabbage          | kohlrabi  |
| cauliflower      | rutabagas |
| Chinese cabbage  | turnips   |

**Pests controlled include:** Root Maggots.



**HOMEOWNER USE ONLY**

**At-Planting Application:** Apply 30 oz. (3-3/4 cups) to 56 oz. (7 cups) 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 granules 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-Planting Application:** Apply 20 oz. (2-1/2 cups) per 100 feet of row by placing granules in the furrow at planting time. Cover granules and seeds with suitable soil.

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

**Sweet Corn**

**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-Planting Application:** Apply 50 oz. (6-1/4 cups) to 76 oz. (9-1/2 cups) 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 alongside 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 (76 oz. per 100 feet of row).

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

**HOMEOWNER USE ONLY**

**SPREADER SETTINGS**

(AVAILABLE AT FINAL PRINTING)

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feedstuffs by storage and disposal. Keep container closed and away from food, feedstuffs and domestic water supplies. **PESTICIDE DISPOSAL:** Securely wrap original container in several layers of newspaper and discard in trash. **CONTAINER DISPOSAL:** Do not reuse bag. Discard bag in trash.

**WARRANTY**

**MANUFACTURER** warrants that this product (1) conforms to the ingredient statement on the label and (2) is reasonably fit for the purposes set forth in the Directions for Use. **EXCEPT AS SO WARRANTED, THE PRODUCT IS SOLD AS IS. MANUFACTURER MAKES NO OTHER WARRANTY EXPRESS OR IMPLIED.**

The manufacturer's directions regarding use of this product are based upon tests believed to be reliable. All statements made concerning this product apply only when used as directed, under normal use conditions. **FOLLOW DIRECTIONS CAREFULLY.** Timing and method of application, weather and crop conditions, mixture and other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the manufacturer. Buyer assumes all risks of use, storage and handling of this product.

Manufactured by:

**THE ANDERSONS LAWN FERTILIZER DIVISION  
P.O. BOX 119  
MAUMEE, OH 43537**