



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

EPA Reg. Number  
 9198-137

Date of Issuance:  
 JUN 24 1994

NOTICE OF PESTICIDE:  
 Registration  
 Reregistration

Term of Issuance: Until  
 Reregistration

Name of Pesticide Product: The  
 Andersons 0.5%  
 Dursban Brand  
 Insecticide

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

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

Note: 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. 9198-137."
- 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

DENNIS H. EDWARDS

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

Date

JUN 24 1994

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, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

e. The STORAGE AND DISPOSAL directions are correct for labeling of product intended for homeowner use. Add a separate set of directions specific and correct for commercial use. The appropriate directions shall be used depending on the intended use of the product.

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,

DENNIS H. EDWARDS

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

Enclosure

(Front Panel)

HOMEOWNER USE ONLY

THE ANDERSONS

0.5% DURSBAN\* BRAND INSECTICIDE

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

JUN 24 1994

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
9198-137

ACTIVE INGREDIENT:

Chlorpyrifos [0,0-diethyl 0-(3,5,6-trichloro-2-pyridyl)  
phosphorothioate] ..... 0.5%

INERT INGREDIENTS ..... 99.5%

\*DURSBAN is a Trademark of DowElanco

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

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

NET WT. \_\_\_ LBS.

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

(BACK PANEL)

**HOMEOWNER USE ONLY**

NET WT. \_\_\_LBS.

**THE ANDERSONS****0.5% 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          | 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)  |
| carwigs       |                                  |

\*Indicates that watering in of this product will increase effectiveness.

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

**DOSAGE RATES**

<u>Area To Be Treated</u>	<u>Pounds of Dursban 0.5%</u>
1,000 sq. ft.	5 lbs.
2,000 sq. ft.	10 lbs.
4,000 sq. ft.	20 lbs.
5,000 sq. ft.	25 lbs.
10,000 sq. ft.	50 lbs.

## HOMEOWNER USE ONLY

## APPLICATION TO TURF

Apply uniformly to home lawn at the rate of 5 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): Apply at a rate of 4 oz. (8 tablespoons) per active mound. Sprinkle granules gently and evenly over surface of mound and out approximately two feet surrounding the mound. Avoid disturbing ants. For best results, apply when ants are least active: in cool weather, 65°F to 80°F, or in early morning or late evening hours. Treat new mounds as they appear.
2. Turfgrass weevil control (larvae of *Hyperodes weevil*): Apply 10 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.
3. European crane fly larvae control: Apply at a rate of 7 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 10 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 10 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.

HOMEOWNER USE ONLY

- 5. Tick control: For control of ticks infesting areas around houses and in yard areas, tuck pants legs into socks to avoid tick bites. An insect repellent sprayed onto lower legs and socks should give additional protection from possible bites. Wearing light colored pants and socks will aid in spotting ticks that may attach during treatment.

Treat perimeter of house and yard by applying under shrubbery, in and around ground cover, and around and under patios. Treat edges or perimeter of yard area where grass and other ground cover plants exist and other areas that appear likely to serve as harborage sites for ticks that have removed themselves from their host. Prior to and following treatment, weeds and high grasses should be kept trimmed to reduce tick harborage sites. Rodents can serve as hosts for ticks. Rock piles, wood piles, and other rodent habitats should be removed or reduced. Key months for deer tick control are April through November in most parts of the country. For specific timing of application in your geographic area, contact your local extension service.

TO HELP PREVENT INFESTATION OF BUILDINGS BY INSECTS.

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

**HOMEOWNER USE ONLY****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 (5.0 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 4 oz. (8 tablespoons) of this product gently and evenly to the surface and surrounding two feet of active fire ant mounds during early morning or late evening: when ants are least active.

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

**INSECT CONTROL IN CERTAIN VEGETABLE CROPS:****Onions**

Pests controlled include: Onion Maggot.

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

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

**Sunflowers**

Pests controlled include: Cutworms.

At-planting Application: Apply 25 oz. (3-1/8 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.



**HOMEOWNER USE ONLY****Sweet potatoes**

Pests controlled include: Wireworms, Flea Beetles, Sweet Potato Beetle.

Pre-Planting Broadcast Application: Evenly broadcast 8-3/4 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.

At-Planting Application: Apply 15 oz. (1-7/8 cups) to 28 oz. (3-1/2 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 10 oz. (1-1/4 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.

**HOMEOWNER USE ONLY****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
Symphilians	European and Southwestern Corn Borer
Cutworms	Chinch Bug
Fire Ants	Grubs
Billbugs	

At-Planting Application: Apply 25 oz. (3-1/8 cups) to 38 oz. (4-3/4 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 (38 oz. per 100 feet of row).

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

**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 in trash.

**HOMEOWNER USE ONLY****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**