

JUN 25 1993

Mr. Daniel Paradiso, Jr.
The Andersons
d/b/a Parker Fertilizer Company
201 West Fourth Street
Sylacauga, Alabama 35150

Subject: Revised Labeling
Vertagreen Dursban Insecticide
EPA Registration Number 8660-78
Your Application Dated February 19, 1993
(Received by EPA April 14, 1993)

Dear Mr. Paradiso:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, is acceptable provided that you make the labeling changes indicated below before you release the product for shipment bearing the amended labeling:

1. On the front panel, delete "INDOOR PEST CONTROL."
2. Add a footnote to the ingredients statement:

Contains aromatic petroleum distillate
3. The ENVIRONMENTAL HAZARDS sections must read:

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. For terrestrial uses, 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.

Submit five (5) copies of your final printed labeling before you release the product for shipment.

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

Sincerely yours,

DHE

Dennis H. Edwards, Jr.
Product Manager (19)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

8660-78
1 of 6

(FRONT PANEL)

VERTAGREEN®

DURSBAN™ INSECTICIDE

To Be Applied Only By or Under The Supervision of Commercial Applicators
Responsible for Insect Control Programs.

**ACCEPTED
with COMMENTS
in EPA Letter Dated**

CONTROLS

Chinch Bugs, Sod Webworms (Lawn Moth),
Bagworms, Cutworms, Grasshoppers

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
8660-78**

INDOOR PEST CONTROL

ACTIVE INGREDIENT:

Chlorpyrifos [0,0-Diethyl 0-(3,5,6-trichloro-2-pyridyl)
phosphorothioate] 22.40%

INERT INGREDIENTS 77.60%

TOTAL 100.00%

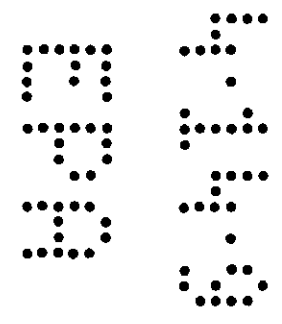
Contains 2 lbs. Chlorpyrifos per gallon.
Dursban™ - Registered Trademark of DowElanco
U.S. Patent No. 3,244,586

KEEP OUT OF REACH OF CHILDREN

WARNING

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONS

NET CONTENTS 1 GALLON



EPA Reg. No. 8660-78

EPA Est. No. 9198-0H-1

(BACK PANEL)

NET CONTENTS 1 GALLON

VERTAGREEN

DURSBAN[®] INSECTICIDE

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Keep children and pets off treated areas until spray has dried. May be fatal if swallowed. May be absorbed through skin. May be injurious to eyes and skin. Combustible liquid. Do not take internally. Do not get in eyes or on skin. Do not smoke while using. Wash thoroughly after handling. Wash contaminated clothing before re-use. Flush contaminated eyes with plenty of water and get medical attention. Avoid breathing spray mist or vapors. Do not spray vegetable gardens or plants used for food purposes.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. If possible vomiting should be induced under medical supervision. Have victim drink 1 or 2 glasses of water and induce vomiting by touching the back of the throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated.

IF ON SKIN: Remove contaminated clothing and wash affected areas with soap and water.

IF IN EYES: Flush eyes with plenty of water. Call a physician immediately.

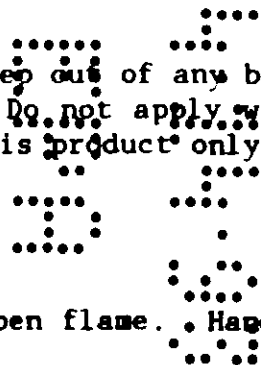
NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote. 2-PAM is also antidotal and may be administered in conjunction with atropine.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Keep out of any body of water. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Apply this product only as specified on this label.

PHYSICAL AND CHEMICAL HAZARDS

Keep container closed. Do not use or store near heat or open flame. Handle concentrate in a ventilated area.



8660-78
3 of 6**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

ZOYSIA LAWNS: Chinch Bug damage appears as a yellowing and final browning. The bug sucks the plant juices from the grass blades and eventually plants die. The turf should be free of thatch, mowed to 1 inch height, and the clippings removed before spraying. Preventative sprays may be applied starting May 1st, repeated at June 15th, and finally on August 1st. If damage occurs in unsprayed areas, treat immediately and plan on a second treatment within 30 to 45 days.

USE RATE & DILUTION TABLE FOR ORNAMENTAL TURF

<u>AREA SQ. FT.</u>	<u>AMT. CHEMICAL</u>	<u>USE HOSE-END SPRAYER, DILUTE WITH WATER TO GIVE</u>
1,000 sq. ft.	3 tbsp.	3-6 gallons
5,000 sq. ft.	15 tbsp.	15-30 gallons
10,500 sq. ft.	1 pint	30-60 gallons

Small 1-1/2 and 3 gal. pressure sprayers are not well adapted for this treatment.

BLUEGRASS LAWNS: Sod Webworms are capable of destroying large areas of turf. New worms appear in late April and early May with successive generations hatching each month through August. For this reason, it is wise to plan on 3 applications spaced 30 to 45 days apart starting May 1st. Apply to the turf early or late in the day when worms are active. This rate spray will also control any Earwigs, Cutworms, or Grasshoppers present.

Before spraying, turf should be free of troublesome thatch which encourages insects. Rake the area and remove the debris to expose insect hiding places. Water the lawn and cut to a height of 2 to 2-1/2 inches.

PESTS OF ORNAMENTALS: Use Dursban Insecticide to control Bagworms, Cutworms, Grasshoppers, Leafhoppers, Mealybugs, Mites, Spittlebugs, Thrips (exposed), and Whiteflies on flowers, shrubs, vines, shade and flowering trees, and evergreens found to be infested with these pests. Dilute Dursban Insecticide with water according to following directions and apply using suitable hand or power spray equipment in a manner to provide complete and uniform coverage of infested plants. Avoid overspraying to the point of excessive runoff. Treat when pests appear and repeat at 7 to 10 day intervals, if needed. **NOTE:** Do not use on Azaleas, Camellias, Poinsettias, Rose Bushes, or Variegated Ivy because of possible injury to these plants.

To control Bagworms, Grasshoppers, Mites, Spittlebugs, and Whiteflies use 1 tbsp. in 3 gals. water or 1 pint in 100 gals. of water. For Cutworms, Mealybugs, Leafhoppers and Thrips (exposed) use 2 tbsp. per 3 gals. or 1 quart in 100 gals.

PESTS INDOORS

GENERAL INFORMATION: Use to control the pests indicated in the areas listed below by application as a 0.25% or 0.5% chlorpyrifos (Dursban) spray. Use the 0.25% spray to control light infestations and the 0.5% spray to quickly reduce heavy infestations or as directed. To prepare the spray, dilute with water or with a suitable base oil* as shown in the following SPRAY DILUTION CHART. Repeat the treatment as needed.

*Use only deodorized kerosene for oil-based sprays to be applied in food handling establishments.

SPRAY DILUTION CHART

GALLONS OF SPRAY MIXTURE DESIRED	FLUID OUNCES OF DURSBAN TO USE	
	<u>0.25% SPRAY</u>	<u>0.5% SPRAY</u>
<u>WATER-BASE SPRAY:</u>		
1	1-1/3	2-2/3
3	4	8
5	6-2/3	13-1/3
10	13-1/3	26-2/3
<u>OIL-BASE SPRAY: #</u>		
1	1	2
3	3	6
5	5	10
10	10	21

Note: 1 fl. oz. = 2 tablespoonsful = 6 teaspoonsful
Calculated on basis of deodorized kerosene

Note: Where quick knockdown and/or "flushing action" is desired, dichlorvos (DDVP) or pyrethrins may be added to the spray mixture. For best results, use dichlorvos at a concentration of 0.25% in both water and oil-base sprays. Consult labeling for the dichlorvos or pyrethrins product used to determine the amount needed to give the desired spray concentration. Also read and observe all use and handling precautions for these products. Do not use in combination with dichlorvos (DDVP) or pyrethrins for treatment of food areas of food handling establishments.

APPLICATION WITHIN FOOD HANDLING ESTABLISHMENTS (Place Other Than Private Residence in Which Food is Held, Processed, Prepared, or Served): ~~Including~~. But Not Limited To, Restaurants, Grocery Stores, Bakeries, Bottling Plants, Canneries and Grain Mills): Use a spot treatment to control Cockroaches (including strains resistant to certain other insecticides), Ants, Crickets, Firebrats, Silverfish, and Spiders in and around both food and nonfood areas by application as a coarse, low pressure (20 PSI or less) spray to localized areas where the above pests have been seen or are suspected of hiding or entering. Apply only enough spray to thoroughly cover the surfaces treated using special care to avoid unnecessary runoff. Do not introduce spray into the air or allow the spray to contact food or food-contacting surfaces.

Areas treated may include dark corners of rooms and closets, along and behind baseboards, beneath and behind stoves, refrigeration units and similar food preparation areas and equipment, floor drains, and around plumbing and other utility installations. For Ants, apply to Ant trails and wherever these pests may find entrance. Spot treatment may encompass crack and crevice treatment by applying small amounts of material directly into openings leading to voids and hollow spaces in walls, equipment legs, bases, or which occur at points between different elements of construction or between equipment and floors. Equipment capable of delivering a pinstream of insecticide should be used. Repeat treatment as needed but not more than once every 7 days in restaurants and similar food service establishments, or more often than once every 14 days in other types of food handling establishments. In case of emergency (call back), Dursban may be applied after 2 days from last treatment but emergency use should be limited to once per month. Applications of this product in food handling establishments other than as a spot and/or crack and crevice treatment are not permitted.

APPLICATION WITHIN RESIDENTIAL BUILDINGS (Including Homes and Apartment Buildings and Within Nonfood Areas of Industrial, Institution, and Commercial Building Including Hospitals, Stores, Manufacturing Plants, and Warehouses) - For Spot Treatment Only: Apply as a coarse spray or with a paint brush to localized areas where Cockroaches (including strains resistant to certain other insecticides), Ants, Clover Mites, Crickets, Firebrats, Silverfish, and Spider are found or normally occur including dark corners or rooms and closets, cracks and crevices in walls, along and behind baseboards, beneath sinks, stoves, refrigerators and cabinets, around plumbing and other utility installations. For Ants, apply to Ant trails, also around doors and windows and wherever else these pests may find entrance. For Clover Mites use a 0.5% spray only. NOTE: A period of 4 to 7 days is normally required for maximum effect on cockroaches.

FOR CONTROL OF CARPET BEETLES: Thoroughly apply a 0.5% spray as a spot treatment along baseboards and edges of carpeting, under carpeting, rugs and furniture, in closets and on shelving, and wherever else these insects are seen or suspected.

FOR CONTROL OF BROWN DOG TICKS: Thoroughly apply a 0.5% spray as a spot treatment of infested areas such as pet beds and resting quarters, nearby cracks and crevices, along and behind baseboards, window and door frames and localized areas of floor and floor covering where these pests may be present. Old bedding of pets should be removed and replaced with clean, fresh bedding after treatment. DO NOT TREAT PETS WITH THIS PRODUCT.

ATTENTION (Pests Indoors): Do not apply water-base sprays of this product in conduits, motor housings, junction and switch boxes or other electrical equipment because of possible shock hazard. If there is need to treat such areas use only oil-base sprays. Prior to application de-energize electrical equipment. After application allow time for oil to evaporate before starting motors or placing switches in the "ON" position. Do not use in poultry houses, or other animal buildings. Do not allow spray to contact food, feedstuffs, and water suppliers. Thoroughly wash dishes and food handling utensils with soap and water, if they become contaminated by application of this product. Do not allow children or pets to contact heated surfaces until spray has dried. Remove pets and cover fish bowls (tanks) before spraying.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed 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 container. Rinse thoroughly before discarding in trash.

WARRANTY STATEMENT

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 with 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 or handling of this product.

Manufactured by:

**PARKER FERTILIZER CO.
201 4TH STREET
SYLACAUGA, AL 35150**

Date Printed: 01/28/93
Date Approved:
Supersedes:
Label Change:

