



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

APR 13 1994

Christina M. Lawes
ROUSSEL UCLAF CORP.
95 Chestnut Ridge Road
Montvale, NJ 07645

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

SUBJECT: Label Amendment Submission of 11/08/93 in Response to PR Notice 93-7
EPA Reg. No. 10370-37
FORD'S DURSBAN 2E

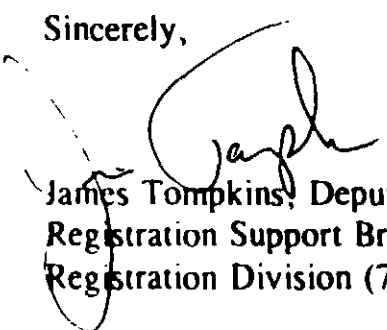
Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, successfully **REMOVES THE PRODUCT FROM THE SCOPE** of PR Notice 93-7 once the comments (if any) on the attached sheet are addressed. Other than the alterations (if any) listed on the attached sheet, no further alterations to the labeling are necessary to reflect the requirements of the Worker Protection Standard.

Since your amendment proposes to delete uses directly and/or to delete uses implicitly through the use of exclusionary statements, the Agency will publish in the Federal Register a notice of receipt of your amendment to delete uses, as required by section 6(f)(1) of FIFRA. The Agency will defer action for 90 days from the date of the Federal Register notice to give affected minor users an opportunity to try to persuade you to retain the uses(s). When the comment period has expired, the Agency will approve the amendment unless you have withdrawn it, and stamp the amended labeling "accepted." Your stamped-accepted labeling will then be sent to you.

As described in Supplement A of PR Notice 93-11 (self-verification option), you may sell and distribute product bearing the submitted labeling before you receive a copy of your stamped-accepted labeling. Note that your registration is not amended until the comment period required by section 6(f)(1) of FIFRA has expired and the Agency has approved the amendment. Therefore, you may withdraw your proposed amendment at any time during the comment period and until you receive your stamped-accepted labeling.

Sincerely,


James Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Enclosures



Recycled/Recyclable
Printed with Soy/Canola ink on paper that
contains at least 50% recycled fiber

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DURSBAN® 2E

INSECTICIDE
—Controls—

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

To be applied only by or under the Supervision of Pest Control Operators and other Trained Personnel responsible for Insect Control Programs.

ACTIVE INGREDIENTS:

Chlorpyrifos [0,0-diethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate] 24.29%
Xylene Range Aromatic Solvent 67.77%

INERT INGREDIENTS: 7.94%

Total 100.0%

Contains 2 pounds Chlorpyrifos per gallon
DURSBAN® — Trademark of The Dow Chemical Company

U.S. Patent No. 3,244,566

KEEP OUT OF REACH OF CHILDREN WARNING

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Do not induce vomiting. Contains aromatic petroleum solvent. Call a physician immediately. IF ON SKIN: Wash thoroughly with soap and warm water. IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

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.

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: May be fatal if swallowed. May be absorbed through the skin. Do not take internally. Do not get in eyes or on skin. Wash thoroughly after handling. Wash contaminated clothing. Avoid breathing vapors and spray mist. Avoid spraying food crops. Handle concentrate in a ventilated area. Keep children and pets off treated area until spray has dried.

SEE SIDE PANEL FOR ADDITIONAL WARNING STATEMENTS

EPA Est. No.

EPA Reg. No. 10370-37 NET CONTENTS:

ROUSSEL UCLAF

Roussel Uclaf Corporation
95 Chestnut Ridge Road
Montvale, New Jersey 07646

ACCEPTED
with COMMENTS
in EPA Letter Dated

JUL - 5 1994

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

10370-37

ENVIRONMENTAL HAZARD

This product is toxic to fish, birds, and wildlife. Do not apply directly to water. Do not apply where runoff is likely to occur. Do not apply under weather conditions favor drift from areas to be treated. Apply this product only as specified on this label. This product is highly toxic to bees exposed to direct treatment or residues on crops. For more information may be obtained from your Cooperative Extension Service.

PHYSICAL AND CHEMICAL HAZARDS

Keep container closed. DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME. Handle concentrate in a ventilated area.

GENERAL INFORMATION

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 use on plants intended for aesthetic purposes, or for modification and being grown in interior plants, gardens or parks, or on golf courses or lawns and

Use to control the pests indicated in the area below by application as a 0.25% or .5% chlorpyrifos (Dursban) spray. Use the 0.25% spray to control light infestations and the 0.5% spray to control heavy infestations or as directed. To make the spray, dilute with water or with a suitable oil.*

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

SPRAY DILUTION CHART*

Gallons of Spray Mixture Desired	Fluid Ounces* of DURSBAN 2E	
	0.25% Spray	0.50% Spray
Water-base spray:		
1	1 1/2	2 1/2
2	3	5
3	4 1/2	7 1/2
4	6	10
5	7 1/2	12 1/2
6	9	15
7	10 1/2	17 1/2
8	12	20
9	13 1/2	22 1/2
10	15	25

*Oil-Base Spray:

1	1	2
2	2	4
3	3	6
4	4	8
5	5	10
6	6	12
7	7	14
8	8	16
9	9	18
10	10	20

Note: 1 fluid ounce = 2 tablespoonsful = 6 teaspoons
*Calculated on basis of deodorized kerosene

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**DIRECTIONS FOR USE,
CONTINUED FROM SIDE PANEL**

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**

(Places other than private residences 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 WITH RESIDENTIAL BUILDINGS

Including homes and apartment buildings and within non-food areas of industrial, institution, and commercial buildings 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 spiders are found or normally occur including dark corners of rooms and closets, cracks and crevices in walls, along and behind baseboards, beneath

and behind sinks, stoves, refrigerators and cabinets, around plumbing and other utility installation. 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 FLEAS AND 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 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 supplies. 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 treated surfaces until spray has dried. Remove pets and cover fish bowls (tanks) before spraying.

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. Mow to 1 inch height and remove the clippings before spraying. Preventive sprays may be applied starting May 1st, repeated at June 15th and finally on August 1st or as recommended by your local Agricultural Extension Service specialist for your area. 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

AREA Sq. Ft.	AMOUNT Chemical	Use Nozzle-End Sprayer. Dilute with Water to Give
1,000 sq. ft.	3 tbsp.	3-4 gals.
5,000 sq. ft.	15 tbsp.	15-20 gals.
10,000 sq. ft.	1 pint	30-40 gals.

Small 1½ and 3 gallon 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 three 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 2½ 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, whiteflies, use 1 tbsp. in 3 gals. water or 1 pint in 100 gals. of water. For cutworms, mealybugs, leafhoppers, thrips (exposed), use 2 tbsp. per 3 gals. or 1 qt. in 100 gals.

STORAGE AND DISPOSAL

Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of according to applicable Federal, state or local procedures. Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved state and local procedures.

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