



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

FEB 17 1994

H. R. McLane
SUNNILAND CORPORATION
P. O. Box 1697
Sanford, FL 32771

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

SUBJECT: Label Amendment Submission of 10/22/93 in Response to PR Notice 93-7
EPA Reg. No. 9404-66
DURSBAN 2-E INSECTICIDE

Dear Registrant:

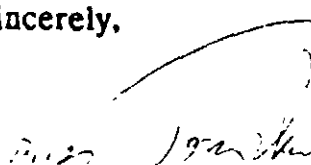
The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, successfully **REMOVES THE PRODUCT FROM THE SCOPE** of PR Notice 93-7 once the comments (if any) on the attached sheet are addressed. Other than the alterations (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 When the comment period has expired, the Agency will approve the amendment unless you have withdrawn it, and stamp the amended labeling "accepted."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,

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

Enclosures



Recycled/Recyclable
Printed with Soy/Cane
contains at least 50%

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

H.R. McLane
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BOX 1697
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Subject: Label Amendment Submission of 10/22/93
in Compliance with the PR Notice 93-7
EPA Reg Nr. 9404-66
DURSBAN 2-E INSECTICIDE

Correct the typographical errors circled on your proposed label.

Sunniland

DURSBAN® 2-E

Controls Numerous Pests of Turf & Ornamental Plants

Also Recommended for Mosquito Control and Area Control of Ticks & Chiggers

ACTIVE INGREDIENT:

Chlorpyrifos (0,0 diethyl,0-(3,5,6-trichloro-2-pyridyl)(phosphorothioate).

INERT INGREDIENTS

Total

ACCEPTED with COMMENTS by EPA Letter D-84-124,644 75338 100.00% registered under FPA Reg. No. 5194-66

*Contains Xylene Range Aromatic Solvent - Contains 2 pounds Chlorpyrifos per gallon
DURSBAN Reg. Trademark DowElanco, Co

**KEEP OUT OF REACH OF CHILDREN
WARNING - AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se lo explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

STATEMENTS OF PRACTICAL TREATMENT

IF SWALLOWED (DO NOT induce vomiting) Contains aromatic petroleum solvent. Call a physician immediately. **IF ON SKIN** In case of contact, remove contaminated clothing and wash skin with soap and water. **IF IN EYES** Flush eyes with plenty of water for 15 minutes. Call a physician. **NOTE TO PHYSICIAN** Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine, only by injection is an antidote. This product contains an aromatic petroleum derivative solvent. Treat symptomatically.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

WARNING May be fatal if swallowed. May be absorbed through the skin. May be injurious to eyes and skin. Do not take internally. 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 prompt medical attention. Avoid breathing vapors and spray mist. Avoid spraying food crops. Keep away from food, feedstuffs, and domestic water supplies. Keep container closed. Handle concentrate in a ventilated area.

ENVIRONMENTAL HAZARDS

Dursban 2-E 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. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment or residues on plants. Protective information may be obtained from your cooperative Agricultural Extension Service.

PHYSICAL AND CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame. Do not weld or cut container.

DIRECTIONS FOR USE

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

Do not apply this product through any type of irrigation system.

Not for use on plants 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 interior plantscapes, ornamental gardens, or parks or on golf courses or lawns and grounds (9404-66 PM4/10-18-93)

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE Store product in its original container in a cool, dry, locked place out of reach of children.

PESTICIDE DISPOSAL Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL Metal or Glass - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by State and Local authorities.

E.P.A. Reg. No. 9404-66 NET CONTENTS 1 GALLON E.P.A. Est. No.9404-FL-1

SUNNILAND CORPORATION
Sanford, FL 32771

PESTS OUT-OF-DOORS

General information: Use Dursban 2-E for the control of certain pests on outside surfaces of buildings and on lawns and ornamental plants, for area control of ticks and chiggers and for mosquito control. Consult the following directions for dosage and application details to control the pests listed.

PESTS ON OUTSIDE SURFACES OF BUILDINGS

Use Dursban 2E at the rate of 1 1/2 fluid ounces per one gallon of water (0.5% chlorpyrifos solution) to control ants, clover mites, cockroaches, crickets, earwigs, fleas, flies, millipedes, mosquitoes, sowbugs (pillbugs), spiders and ticks by application as a residual spray or with a paint brush to outside surfaces of buildings including porches, screens, window frames, patios, garages, refuse dumps and other areas where these pests congregate or have been seen. Do not treat or allow the spray to contact plants (lawns, flowering plants, shrubs, trees, evergreens, etc.) because of possible injury. Repeat treatment as needed to maintain effectiveness. NOTE: To help prevent infestations of buildings by ants, crickets, earwigs, millipedes and sowbugs (pillbug), treat a band of soil 6 to 10 feet wide around and adjacent to buildings, also the buildings foundation to a height of 2 to 3 feet where pests are active and may find entrances. Use 1 teaspoonful of Dursban 2-E per gallon of water (1 pint/100 gallons) and apply as a coarse spray at the rate of about 10 gallons spray mixture per 1,000 sq ft. to thoroughly and uniformly wet the band area.

PESTS OF LAWNS AND OTHER ORNAMENTAL AND RECREATIONAL TURF GRASS AREAS

Use Dursban 2-E to control the pests listed in the following table by application at the recommended dosage and in accordance with the directions given below. Dilute Dursban 2-E in enough water to obtain complete and uniform coverage of pest infested areas and apply as a coarse, low pressure spray using suitable application equipment. Thoroughly water immediately after treatment to wash the insecticide into the turf, except as noted. For best results the lawn should be moist at the time of treatment.

DOSAGES and DIRECTIONS for USE on TURF		
PESTS	Dursban 2-E	REMARKS
Ants, Armyworms, Chiggers, Clover Mites, Crickets, Cutworms, Earwigs, Fleas, Grasshoppers, Sod webworms, Ticks	1,000 sq. ft. / 1 1/2 fl oz	Spray when pests first appear, retreat as needed. For Sod Webworms, delay watering or mowing the treated area for 12 to 24 hours after treatment.
Turfgrass Weevil (Hyperodes)	3 fl oz	Spray suspected problem areas in mid April and again in mid May or as recommended by your local Agricultural Extension Service Specialist for your area.
White Grubs, (Including European chafer, Southern masked chafer & Japanese beetle larvae)	3 to 6 fl oz	For White Grubs spray when grubs are young and actively feeding near the soil surface, usually during late July and August or as recommended by your local Agricultural Extension Service specialist in your area. Immediately after spraying, irrigate the treated area with 1/2 to 1 inch of water to wash the insecticide into the underlying soil.
Bluegrass Billbugs	3 to 6 fl oz	Spray early in season when adults first appear. Repeat as needed.

1 1/2 fl oz / 1,000 sq ft = 7 1/2 fl oz / 5,000 sq ft = 1 pt / 10,700 sq ft = 2 gts / acre. Mosquitoes coming to rest on areas treated for control of turf and ornamental plant pests will be killed for varying periods of time after treatment, depending on exposure of treated areas to weathering conditions.

Attention (Lawn & Ornamental Plants) Keep children and pets off treated areas until spray has dried. Keep out of lawn and garden fishpools and other bodies of water.

PESTS OF ORNAMENTALS

Use Dursban 2-E to treat flowers, shrubs, vines, shade and flowering trees, and evergreens found to be infested with the pests listed in the following table. Dilute Dursban 2-E with water according to the directions given in the table and apply using suitable hand or power spray equipment in a manner to provide complete and uniform coverage. For best results apply a wetting spray to both upper and lower leaf surfaces and infested limb and trunk areas. Attempt to penetrate dense foliage but 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, carnations, poinsettias, rose bushes, or variegated ivy because of possible injury to these plants.

DOSAGE for USE on PEST CONTROL

- Aphids, Bagworms, Eastern Tent Caterpillar, Fall Webworm, Grasshoppers, Mites, Orange Striped Oakworm, Spittlebugs, Whiteflies, Yellowjackets Caterpillars.
- Cutworms, Leafhoppers, Mealybugs, Mimosa Webworm, Redhumped Caterpillars, Thrips (export).
- Ash Borer, Lilac Borers, Scale Crawlers, (Oak Lecanum, Pine Needle, Tea and White Peach), Peach Tree Borer.

Equiv to 4oz chlorpyrifos/100gals coming to rest on areas treated for varying periods of time areas to weathering conditions.

Wood Boring Insects; Such As Ash Borer and

Apply Dursban 2-E to the trunks of trees begin to emerge. Consult your State Agricultural Extension Service Specialist for proper application. Apply Dursban 2-E to flowering trees. Use a trunk spray before a newly hatched pressure spray. Thoroughly wet the trunk. Consult your State Agricultural Extension Service Specialist for proper time to treat you area.

Area Control

Use Dursban 2-E insecticide to control pests on areas such as roadsides, footpaths, and other recreational areas where possible public health problem areas. Treat low underbrush, grassy areas, etc. enough spray volume to obtain 1/2 to 1 inch of water to wash the insecticide into the underlying soil. Attention: (area control of public use of treated areas during treatment).

Apply Dursban 2-E as a drench or sprinkle a total of 1 gallon of the dilute solution per 1,000 sq ft (or 1/2 gallon per 500 sq ft) for best results apply in cool, late evening hours. Treat new lawns to disturb ants and cause migration.

Native
Prevention of Overwintering To uninfect trees and to reduce Dursban 2-E insecticide as a 0.5% solution of trunk. Wet the trunk thoroughly to apply the spray right to the base of the trunk. Use a backpack mist blower or sprayer to apply the spray to the early fall. Prevention of branch dieback and branch feeding. Apply 0.5% chlorpyrifos water spray to the trunk and branches in the spring or early summer using a backpack mist blower or sprayer. **NOTICE:** Buyer and user assume responsibility for proper handling of this material not in accordance with label directions.

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