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769-666

1 of 5

JAN - 4 1994

SureCo, Inc.
c/o Mr. H. R. McLane
H. R. McLane, Incorporated
7210 Red Road, Suite 206
Miami, Florida 33143-5321

Subject: Revised Labeling--Watering-in Requirement
Dursban 1E Insecticide
EPA Registration Number 769-666
Your Application Dated December 6, 1993

Dear Mr. McLane:

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. Add the following sentence to the Hazards to Humans and Domestic Animals section: "Keep children and pets off treated areas until dry."
2. 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. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply or allow to drift to blooming crops or weeds if bees are visiting the treatment area.

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 (7505C)

Enclosure

DURSBAN 1E INSECTICIDE

To be Applied Only By or Under the Supervision of Pest Control Operators, Public Health Organizations, Mosquito Abatement Districts and Other Trained Personnel Responsible for Insect Control Programs

CONTROLS NUMEROUS PESTS, AS LISTED, OF HOUSEHOLDS, TURF AND ORNAMENTAL PLANTS ALSO RECOMMENDED FOR MOSQUITO CONTROL AND AREA CONTROL OF TICKS AND CHIGGERS. USE AS A MOUND TREATMENT TO KILL IMPORTED FIRE ANTS

SEE SUPPLEMENTAL LABELING FOR ADDITIONAL USES

ACTIVE INGREDIENT
Chlorpyrifos (O-C-dethyl O-P S E) 12.9%

INERT INGREDIENTS 87.1%

Total 100.0%

Contains 1 pound Chlorpyrifos per gallon
DURSBAN Res. Trademark Dow/Eaton

KEEP OUT OF REACH OF CHILDREN WARNING

STATEMENTS OF PRACTICAL TREATMENT

IF SWALLOWED Drink 1 or 2 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 or convulsing person. Get medical attention.

IF INHALED Remove victim to fresh air. Get medical attention. **IF IN EYES** Flush eyes with plenty of water. Get medical attention as irritation persists. **IF ON SKIN** In case of contact, remove contaminated clothing and wash affected area with soap and water. **NOTE TO PHYSICIAN** Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine only by injection is the antiseriate of choice.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING May be fatal if swallowed. Excessive absorption through skin may be fatal. Do not get in eyes, skin or clothing. Avoid breathing of vapors and spray mist. Wear eye protection. Wear protective clothing and chemically resistant gloves when handling. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Keep away from food, feedstuffs and water supplies.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds and wild life and extremely toxic to fish and aquatic organisms. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Cover or incorporate spills. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not spray or allow to drift to blooming crops or weeds if bees are visiting the treatment area.

PHYSICAL AND CHEMICAL HAZARDS DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

Storage Avoid storage at high temperatures. Protect from moisture. Avoid contamination with water, acids, or alkalis. Do not store near heat or open flame. Keep container closed. Store in original container only. Separate pesticides to avoid cross-contamination of other pesticides, fertilizer, food and feed. Keep container in locked storage area. If spilled, absorb with dry material such as sand or sawdust and sweep up for disposal. **Pesticide Disposal** Do not contaminate water, food or feed by storage and disposal. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or residue 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 Recycling** Triple rinse (or equivalent). Then offer for recycling or reconditioning, at purchase and disposal of in a sanitary landfill or by other procedures approved by State and Local authorities. **Triple Rinse** (or equivalent). Then offer for recycling or reconditioning, at purchase and disposal of in a sanitary landfill or by other procedures approved by State and Local authorities, or burning, if burned stay out of smoke.

EPA Reg No 789-009 NET CONTENTS 1 GALLON EPA Est. No 789-GA-1

SURECO, INC.
Fort Valley GA 31030

BEST AVAILABLE COPY

PESTS INDOORS

General Information Use DURSBAN 1E insecticide to control the pests indicated in the areas listed below by applications as a 0.25% or 0.5% Chlorpyrifos 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 DURSBAN 1E with water or with a suitable base of as shown in DILUTION RATES paragraph. Repeat treatment as necessary. Use only dusted formulations for oil based sprays to be applied in food handling establishments.

Do not introduce the 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 & CREVICE treatment by applying small amounts of material directly into openings leading to voids and hollow spaces in walls, equipment legs and bases or which occur at points between different elements of construction or between equipment and floors. Equipment capable of delivering a stream 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), Durshan 1E may be applied after 2 days from the 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, Institutional and Commercial Buildings including Hospitals, Stores, Manufacturing Plants and Warehouses. For Spot Treatment Only. Apply as a coarse spray or with a paintbrush to localized areas where *Ants, Cockroaches, Chigger mites, Confused Flour Beetles, Crickets, Earwigs, Firebrats, Indian Meal Moth, Mediterranean Flour Weevil, Rice & Grain Weevils, Millipedes, Red Flour Beetle, Saw Toothed Grain Beetle, Scorpion, 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 units, stoves, refrigerators and cabinets, around plumbing and other utility installations. For ants apply to ant trails and wherever these pests may find entrance. For *Closet mites* use 0.5% spray only. Note: A period of 4 to 7 days is normally required for maximum effect on cockroaches.

For the Control of *Carpenter Beets*, thoroughly apply a 0.5% spray as a spot treatment along baseboards and edges of carpeting, under carpeting, rugs, furniture in closets and on shelving, and wherever else these insects are seen or suspected.

DILUTION RATES

To make a 0.25% spray solution
-OR WATER SPRAY - mix 2 2/3 oz. in 1 gallon of WATER
FOR AN OIL SPRAY - mix 2 1/2 oz. in 1 gallon of DEO-BASE OIL

To make a 0.5% spray solution
FOR WATER SPRAY - mix 5 1/3 oz. in 1 gallon of WATER
FOR AN OIL SPRAY - mix 4 1/2 oz. in 1 gallon of DEO-BASE OIL

For larger amounts multiply the fluid ounces (amount) in 1 gallon by number of gallons required for the job. "Diluted" does not mean "less effective." "Triple Rinse" or "rinse down" under flushing action is desired. D-dimethopate (DDVP) or pyrethrin may be added to the spray mixture containing Durshan 1E insecticide. For best results use dichlorvos at a concentration of 0.25% in both water and oil-base sprays. Consult labeling for the dichlorvos or pyrethrin 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 Durshan 1E in combination with dichlorvos (DDVP) or pyrethrin for the control of ticks and chiggers in food 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 Durshan 1E according to the DILUTION RATES. Use as a SPOT TREATMENT

control *Ants, Cockroaches, Chigger mites, Confused Flour Beetles, Crickets, Earwigs, Firebrats, Indian Meal Moth, Mediterranean Flour Weevil, Rice & Grain Weevils, Millipedes, Red Flour Beetle, Saw Toothed Grain Beetle, Scorpion, 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, suspected of hiding or entering. Apply only enough spray to thoroughly cover the surfaces treated using special care to avoid unnecessary runoff.

Brown Dog Ticks Thoroughly apply 0.5% spray as a spot treatment to 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.

NOTE (Pests Indoors) Use oil base spray only for conduits, motor housing junction or switch boxes. Prior to application, de-energize electrical equipment. After application, allow time for oil to evaporate before starting motors or placing switch in the "ON" position. DO NOT use water-base sprays in these places. Do not use in poultry houses and other animal buildings. Do not use in serving areas while food is exposed. 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.

PESTS OUT-OF-DOORS

General Information Use Durshan 1E for the control of certain pests of 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 OF LAWNS AND OTHER ORNAMENTAL AND RECREATIONAL TURF GRASS AREAS

Use Durshan 1E to control the pests listed on the following table by application at the recommended dosage and in accordance with the directions given below. Dilute Durshan 1E 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. For control of soil insects such as white grubs, thoroughly water after treatment to wash the insecticide down into the soil. Watering is not required for control of surface insects. For best results, the lawn should be moist at the time of treatment. Spray when pests first appear. Repeat as needed.

SURFACE INSECTS

Use 3 fl. oz. per 1,000 sq. ft. to control *Ants, Armyworms, Brown Dog Ticks, Centipedes, Chiggers, Chinchids, Clover Mites, Crickets, Cutworms, Earwigs, Fire Ants (mounds), Fleas, Grasshoppers, Ground Squirrels, June Beetles, Leafhoppers, Lucerne Moths, Millipedes, Mosquitoes, Mule Weevils, Sod Webworms, Spotted Spiders and Ticks*. Spray when pests first appear, repeat as needed. For Sod Webworms, delay watering or mowing the treated area for 12 to 24 hours after treatment.

SOIL INSECTS

For *White Grubs* (larvae) use 6 fl. oz. per 1,000 sq. ft. Spray suspected problem areas in mid April and again in mid May or as recommended by your local Ag. Extension Service Specialist for your area. For *European Crane Fly Larvae* use 4 fl. oz. per 1,000 sq. ft. For *White Grubs* (larvae) use 6 fl. oz. per 1,000 sq. ft. Spray when grubs are young and actively feeding near the soil surface, usually during late July and August or as recommended by local Ag. Extension personnel. Immediately after spraying, irrigate the treated area with 1/2 to 1 inch of water to wash the insecticide into the underlying soil. For *White Grubs* use 3 to 12 fl. oz. per 1,000 sq. ft. Spray early in season when adults first appear. Repeat as needed.

PREMISE TREATMENT FOR CRAWLING INSECTS

To help prevent infestation of burd-nut by *ants, crickets, earwigs, millipedes and scorpions* (adults), treat a band of soil 6 to 10 feet wide around and adjacent to the building, also the building foundation to a height of 2 to 3 feet, where pests are active and may find entrance. Use 20 fluid ounces of Durshan 1E per 100 gallons of water and apply as a coarse spray to thoroughly and uniformly wet the band area.

AREA CONTROL OF TICKS AND CHIGGERS

Use Durshan 1E to control ticks and chiggers infesting non-crop land areas such as pastures, woods and trails, picnic and camping areas, party recreational areas and around dwellings where these pests are present. Create a nuisance or are acting as a disease vector. Apply at the rate of 2 pint per acre (equivalent to 2 fluid ounces per 2700 sq. ft.) using a hydraulic

spray, mist applicator, knapsack or backpack. Treat lawns, pastures, woods, trails, picnic and camping areas, party recreational areas and around dwellings where these pests are present. Create a nuisance or are acting as a disease vector. Apply at the rate of 2 pint per acre (equivalent to 2 fluid ounces per 2700 sq. ft.) using a hydraulic

PESTS OF

Use Durshan 1E to treat *Ants, Armyworms, Brown Dog Ticks, Centipedes, Chiggers, Chinchids, Clover Mites, Crickets, Cutworms, Earwigs, Fire Ants (mounds), Fleas, Grasshoppers, Ground Squirrels, June Beetles, Leafhoppers, Lucerne Moths, Millipedes, Mosquitoes, Mule Weevils, Sod Webworms, Spotted Spiders and Ticks*. Spray when pests first appear, repeat as needed. For Sod Webworms, delay watering or mowing the treated area for 12 to 24 hours after treatment.

DOSAGE FOR USE ON

Use 1 fl. oz. (2 tbsp) in 3 gal. water for *Ants, Armyworms, Brown Dog Ticks, Centipedes, Chiggers, Chinchids, Clover Mites, Crickets, Cutworms, Earwigs, Fire Ants (mounds), Fleas, Grasshoppers, Ground Squirrels, June Beetles, Leafhoppers, Lucerne Moths, Millipedes, Mosquitoes, Mule Weevils, Sod Webworms, Spotted Spiders and Ticks*.

Use 2 fl. oz. (4 tbsp) in 3 gal. water for *Ants, Armyworms, Brown Dog Ticks, Centipedes, Chiggers, Chinchids, Clover Mites, Crickets, Cutworms, Earwigs, Fire Ants (mounds), Fleas, Grasshoppers, Ground Squirrels, June Beetles, Leafhoppers, Lucerne Moths, Millipedes, Mosquitoes, Mule Weevils, Sod Webworms, Spotted Spiders and Ticks*.

Use 4 fl. oz. (8 tbsp) in 3 gal. water for *Ants, Armyworms, Brown Dog Ticks, Centipedes, Chiggers, Chinchids, Clover Mites, Crickets, Cutworms, Earwigs, Fire Ants (mounds), Fleas, Grasshoppers, Ground Squirrels, June Beetles, Leafhoppers, Lucerne Moths, Millipedes, Mosquitoes, Mule Weevils, Sod Webworms, Spotted Spiders and Ticks*.

For larger amounts multiply the fluid ounces (amount) in 1 gallon by number of gallons required for the job. "Diluted" does not mean "less effective." "Triple Rinse" or "rinse down" under flushing action is desired. D-dimethopate (DDVP) or pyrethrin may be added to the spray mixture containing Durshan 1E insecticide. For best results use dichlorvos at a concentration of 0.25% in both water and oil-base sprays. Consult labeling for the dichlorvos or pyrethrin 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 Durshan 1E in combination with dichlorvos (DDVP) or pyrethrin for the control of ticks and chiggers in food establishments.

CONDITIONS AND A

For areas of *no vegetation* use 3.2 Fl. Oz. of Durshan 1E per acre. For areas of *heavy vegetation* use 0.025 to 0.05 lb. A.I. Chlorpyrifos per acre.

CONDITIONS AND B

For areas of *no vegetation* use 3.2 Fl. Oz. of Durshan 1E per acre. For areas of *heavy vegetation* use 0.025 to 0.05 lb. A.I. Chlorpyrifos per acre.

CONDITIONS AND C

For areas of *no vegetation* use 3.2 Fl. Oz. of Durshan 1E per acre. For areas of *heavy vegetation* use 0.025 to 0.05 lb. A.I. Chlorpyrifos per acre.

CONDITIONS AND D

For areas of *no vegetation* use 3.2 Fl. Oz. of Durshan 1E per acre. For areas of *heavy vegetation* use 0.025 to 0.05 lb. A.I. Chlorpyrifos per acre.

CONDITIONS AND E

For areas of *no vegetation* use 3.2 Fl. Oz. of Durshan 1E per acre. For areas of *heavy vegetation* use 0.025 to 0.05 lb. A.I. Chlorpyrifos per acre.

CONDITIONS AND F

For areas of *no vegetation* use 3.2 Fl. Oz. of Durshan 1E per acre. For areas of *heavy vegetation* use 0.025 to 0.05 lb. A.I. Chlorpyrifos per acre.

CONDITIONS AND G

For areas of *no vegetation* use 3.2 Fl. Oz. of Durshan 1E per acre. For areas of *heavy vegetation* use 0.025 to 0.05 lb. A.I. Chlorpyrifos per acre.

CONDITIONS AND H

For areas of *no vegetation* use 3.2 Fl. Oz. of Durshan 1E per acre. For areas of *heavy vegetation* use 0.025 to 0.05 lb. A.I. Chlorpyrifos per acre.

CONDITIONS AND I

For areas of *no vegetation* use 3.2 Fl. Oz. of Durshan 1E per acre. For areas of *heavy vegetation* use 0.025 to 0.05 lb. A.I. Chlorpyrifos per acre.

CONDITIONS AND J

For areas of *no vegetation* use 3.2 Fl. Oz. of Durshan 1E per acre. For areas of *heavy vegetation* use 0.025 to 0.05 lb. A.I. Chlorpyrifos per acre.

CONDITIONS AND K

For areas of *no vegetation* use 3.2 Fl. Oz. of Durshan 1E per acre. For areas of *heavy vegetation* use 0.025 to 0.05 lb. A.I. Chlorpyrifos per acre.

CONDITIONS AND L

For areas of *no vegetation* use 3.2 Fl. Oz. of Durshan 1E per acre. For areas of *heavy vegetation* use 0.025 to 0.05 lb. A.I. Chlorpyrifos per acre.

