

Best available copy

NET CONTENTS:



Controls Pests of Households (Cockroaches, Ants, Brown Dog Ticks, Silverfish, Spiders), Turf (Chinch Bugs, Sod Webworms, Ants, Brown Dog Ticks, Cutworms, Earwigs, Crickets, Grasshoppers, Certain White Grubs, Hyperodes Weevil) and Ornamental Plants (Aphids, Bagworms, Grasshoppers, Leafhoppers, Spittlebugs, Mealbugs, Whiteflies, Exposed Thrips, Mites, Cutworms). Also recommended for Mosquito Control and Area Control of Ticks.

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

ACTIVE INGREDIENTS:

Chlorpyrifos (O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate)..... 12.9%
 Aromatic petroleum derivative solvent..... 78.9%

INERT INGREDIENTS:..... 8.2%
 TOTAL..... 100.0%

E.P.A. Registration No. 6720-148 Contains 1 pounds of chlorpyrifos per gallon E.P.A. Est. No. 6720-FL-1

WARNING: KEEP OUT OF REACH OF CHILDREN
 SEE SIDE PANEL FOR OTHER CAUTIONS

MANUFACTURED BY
Southern Mill Creek
PRODUCTS COMPANY, INC.

6720-148

8-2-1976

1/3

USE DIRECTIONS

PESTS INDOORS: General Information: Use DURSBAN 1E Insecticide to control the pests indicated in the areas listed below by application 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 oil as shown in the following **SPRAY DILUTION CHART**. Repeat the treatment as needed.

Gallons of Spray Mixture Desired	Fluid Ounces of DURSBAN 1E to Use*	
	0.25% spray	0.50% spray
Water-base spray:		
1	2-23	5-13
3	8	16
5	13-13	26-23
10	26-23	53-13
Oil-base spray**:		
1	2	4
3	6	12
5	10	20
10	20	42

* Note: 1 fluid ounce = 2 tablespoons = 6 teaspoons
 ** 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 containing DURSBAN 1E insecticide. For best results, use dichlorvos at a concentration of 0.25% in both water and oil-base sprays; use pyrethrins at 0.25% in water-base and 0.05% in 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.

DIRECTIONS FOR APPLICATION WITHIN FOOD AREAS AND NON-FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS

Food Handling Establishments - Places other than private residences in which exposed food is held, processed, prepared or served.

APPLICATION WITHIN FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS:

Limited to Crack And Crevice Treatment Only - Apply a small amount of 0.25% spray directly into cracks and crevices, such as expansion joints between different elements of construction or between equipment bases and the floor, wall voids, motor housing, junction boxes or switch boxes, conduits or hollow equipment legs where cockroaches, crickets, firebrats, silverfish and spiders hide.

Care should be taken to avoid depositing the product onto exposed surfaces or introducing the material into the air. Avoid contamination of food or food processing surfaces.

Application Within Resident Buildings including Homes and Apartment Buildings and in Nonfood Areas of Industrial, Institutional and Commercial Buildings including Nonfood Areas of 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, crickets, firebrats, silverfish and spiders are found or normally occur including dark corners or 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 installations. For ants apply to ant trails, also around doors and windows and wherever else these pests may find entrance.

Note: A period of 4 to 7 days is normally required for maximum effect on cockroaches.

For control of Brown Dog Ticks thoroughly apply a 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.**

Attention (Pests Indoors): 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.

PESTS OUT-OF-DOORS: General Information: Use DURSBAN 1E for control of certain pests of lawns and ornamental plants, for area control of ticks 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 DURSBAN 1E insecticide to control ants, brown dog ticks, chinch bugs, crickets, cutworms, earwigs, grasshoppers and sod webworms (lawn moths). Mix DURSBAN 1E with water according to directions given in the following table and apply as a coarse, low pressure spray using suitable application equipment. For best results, the lawn should be moist at time of treatment, and care should be taken to obtain complete and uniform coverage of pest infested areas. Spray when pests first appear; repeat when needed.

DOSAGE and DILUTIONS for USE on TURF

Area to be Treated	Amount of DURSBAN 1E	Dilute with Water to Give
500 sq. ft.	1-1/2 fl. oz.	15 gallons
1,000 sq. ft.	3 fl. oz.	30 gallons
5,000 sq. ft.	15 fl. oz.	150 gallons
10,700 sq. ft.	2 pints	325 gallons
One Acre	1 gallon	1,300 gallons

To control certain white grubs (larvae of European chafer and Japanese beetle) use two to four times the amounts of DURSBAN 1E shown in the TURF table, i.e. 6 to 12 fl. oz. per 1,000 sq. ft. or 2 to 4 gal. per acre. Apply in enough water to obtain uniform coverage of the area treated followed immediately by thorough watering to wash the insecticide into the turf. For best results treat when grubs are young and actively feeding near the soil surface, usually during late July and August. Consult your local Agricultural Extension Service specialist for proper time to treat in your area.

To control turfgrass (Hyperodes) weevils use twice the amount of DURSBAN 1E shown in the above TURF table, i.e. 2 gallons diluted in 1,300 gallons of water per acre. Spray suspected problem areas in mid-April and again in mid-May. Consult

2/3

your local Agricultural Extension Service specialist for proper time to treat in your area.

Note: To help prevent infestation of buildings by ants, crickets, earwigs, and sowbugs (pillbugs), 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 the same dosage and dilution recommended for control of these pests on turf as shown in the above table. Apply as a coarse spray to thoroughly and uniformly wet the band area.

Pests of Ornamentals: Use DURSBAN 1E to control aphids, 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 1E with water according to directions given in the following table 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, camelias, poinsettias, rose bushes or variegated ivy because of possible injury to these plants.

DOSAGE and DILUTIONS for USE on ORNAMENTAL PLANTS

Pests Controlled	Amount of DURSBAN 1E in Water to Make		
	3 gallons	10 gallons	100 gallons
Aphids Bagworms Grasshoppers Mites Spittlebugs Whiteflies	1 fl. oz.	3.2 fl. oz.	1 quart*
Cutworms Mealybugs Leafhoppers Thrips (exposed)	2 fl. oz.	6.4 fl. oz.	2 quarts**

* Equivalent to 4 ounces of chlorpyrifos per 100 gallons

** Equivalent to 8 ounces of chlorpyrifos per 100 gallons

Note: 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 and Ornamental Plant Pests): Keep children and pets off treated areas until spray has dried. Keep out of lawn and garden fishponds and other bodies of water.

Area Control of Ticks: Use DURSBAN 1E to control ticks infesting non-crop land areas such as roadsides, footpaths and trails, picnic and camping sites, parks and other recreational areas where these pests are present and create a nuisance or possible public health problem. Apply DURSBAN 1E in water at the rate of 2 pints per acre (equivalent to 2 fluid ounces per 2,700 sq. ft.) using a hydraulic sprayer, mist applicator, knapsack sprayer or other suitable hand or power spray equipment. Treat low underbrush, grassy areas, weeds and ground surface and debris using enough spray volume to obtain thorough coverage, usually 40 to 100 gallons per acre.

Attention (Area Control of Ticks): Do not allow public use of treated areas during application or until spray has dried.

Mosquitoes: Apply DURSBAN 1E to mosquito infested, non-crop areas according to the conditions and rates shown in the following table. Mix DURSBAN 2E with either water or oil, such as kerosene or No. 2 fuel oil, using sufficient spray volume to give uniform coverage of area treated. Apply the spray using suitable application equipment such as hand and power ground sprayers, mist applicators, and aerial spray equipment.

CONDITIONS and RATES to USE for MOSQUITO CONTROL

Condition of Area to be Treated	Amount to Use per Acre (fluid ounces)	Number Acres 1 gallon of DURSBAN 1E Will Treat
Larval Control None to medium vegetative cover	16 to 32	80 to 160
Medium to heavy vegetative cover	32 to 64*	40 to 80
Adult Control Light to medium vegetative cover	32	80
Medium to heavy vegetative cover	64*	40

*The higher dosage will also give faster knockdown and longer residual control where there is little or no vegetative cover.

Warning (Mosquito Control): DURSBAN 1E is toxic to shrimp, crabs and fish. Do not apply to water containing crustaceans and fish. Consult your State Fish and Game Department before using this product for mosquito control.

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.

DURSBAN 1E also is toxic to fish, birds, and other wildlife. Keep out of lakes, streams, or ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. **APPLY THIS PRODUCT ONLY AS SPECIFIED ON THIS LABEL.**

Do not reuse container. Destroy it by perforating or crushing. Bury or discard in a safe place away from water supply.

WARNING

KEEP OUT OF REACH OF CHILDREN
MAY BE FATAL IF SWALLOWED. MAY BE ABSORBED THROUGH SKIN. MAY BE INJURIOUS TO EYES AND SKIN. COMBUSTIBLE

Do not take internally. Do not get in eyes or on skin. Wash thoroughly after handling. Wash contaminated clothing before re-use. 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. **DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME.** Handle concentrate in a ventilated area.

NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote.

NOTICE: Seller's guaranty shall be limited to the terms of the label, and subject thereto. The buyer assumes any risk of persons or property arising out of use or handling and accepts the product on these conditions.

3/3