



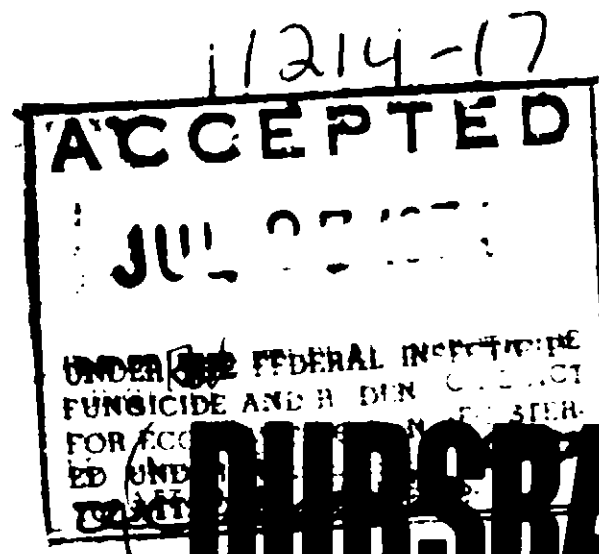
READ ENTIRE LABEL BEFORE USING. USE ONLY AS DIRECTED.

This product 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. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. Apply this product only as specified on this label.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

*U.S. Patent No. 3,244,586

MANUFACTURED BY
TARGET CHEMICAL COMPANY
17710 STUDEBAKER ROAD
CERRITOS, CALIFORNIA 90701



DURSBAN*2E INSECTICIDE

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 (Bagworms, Grasshoppers, Leafhoppers, Spittlebugs, Mealybugs, 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 Organizations, Mosquito Abatement Districts and Other Trained Personnel Responsible for Insect Control Programs.

ACTIVE INGREDIENTS	BY WEIGHT
Chlorpyrifos [0, 0-diethyl 0-(3, 5, 6-trichloro-2-pyridyl) phosphorothioate]	24.7%
Aromatic petroleum derivative solvent	68.7%
INERT INGREDIENTS	6.6%
Contains 2 pounds of chlorpyrifos per gallon	100.0%

WARNING: KEEP OUT OF REACH OF CHILDREN

EPA Reg. No. 11214-17

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GENERAL USE PRECAUTIONS

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.

Promptly crush empty containers and bury them and wastes in locations away from domestic water supplies.

USE THIS PRODUCT ONLY AS SPECIFIED ON THIS LABEL.

Red 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.

SPRAY DILUTION CHART

Gallons of Spray mixture desired	Fluid Ounces of Dursban 2E to Use	
	0.25% spray	0.5% spray
Water base spray		
1	1 1/3	2 2/3
3	4	8
5	6 2/3	13 1/3
10	13 1/3	26 2/3
Oil base spray		
1	1	2
3	3	6
5	5	10
10	10	20

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 2E insecticide. For best results use dichlorvos at a concentration of 0.025% 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.

COCKROACHES (including strains resistant to certain other insecticides), Ants, Crickets, Firebrats, Silverfish, Spiders. Use a 0.25% spray to control light infestations and 0.5% spray to quickly reduce heavy infestations. Apply as a coarse spray or with a paintbrush to localized areas where these pests are found or normally occur including dark

corners of rooms and closets, cracks and crevices in walls, along and 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.

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.**

APPLICATIONS WITHIN FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS: Limited to Crack and Crevice Treatment Only — Using a spray tip that will apply a very fine stream, apply a small amount of material 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, Ants, Spiders, or Silverfish 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. Apply as a 0.25% to 0.50% spray.

APPLICATION OF THIS PRODUCT IN THE FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS, OTHER THAN AS A CRACK AND CREVICE TREATMENT, ARE NOT PERMITTED.

WARNING (Pests Indoors): For Spot Application Only. Do not use in poultry houses, other animal buildings or in edible products areas of food processing plants, restaurants, or other areas where food is commercially prepared or processed, except as specified on this label. Do not

use in serving areas while food is exposed. 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 2E 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 2E insecticide to control ants, brown dog ticks, chinch bugs, crickets, cutworms, earwigs, grasshoppers and sod webworms (lawn moths). Mix DURSBAN 2E 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, re-treat when needed.

DOSAGE AND DILUTIONS FOR USE ON TURF

Area to be treated	Amount of DURSBAN 2E	Dilute with water to give
500 sq. ft.	3/4 fl. oz.	15 gallons
1,000 sq. ft.	1 1/2 fl. oz.	30 gallons
5,000 sq. ft.	7 1/2 fl. oz.	150 gallons
10,000 sq. ft.	1 pint	325 gallons
one acre	2 quarts	1,300 gallons

To control certain white grubs (larvae of European chafer and Japanese beetle) use two to four times the amounts of DURSBAN 2E shown in the TURF table, i.e., 3 to 6 fl. oz. per 1,000 sq. ft. or 1 to 2 gallons 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 2E shown in the above TURF table, i.e., 1 gallon diluted in 1,300 gallons of water per acre. Spray suspected problem areas in mid-April and again in mid-May. Consult 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 ORNAMENTAL: Use DURSBAN 2E to control bag worms, cutworms, grasshoppers, leafhoppers, mealybugs, mites, spittlebugs, thrips (exposed) and whiteflies on flowers, shrubs, vine and flowering trees and evergreens found to be infested with these pests. Dilute DURSBAN 2E 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

to 14 day intervals if needed. Note: Do not use on azaleas, carnations, poinsettias, rose bushes or variegated plants because of possible injury to these plants.

DOSAGE AND DILUTIONS FOR USE ON ORNAMENTAL PLANTS

PESTS CONTROLLED	Amount DURSBAN 2E in water to make		
	3 gallons	10 gallons	100 gallons
Bagworms Grasshoppers Mites Spittlebugs Whiteflies	0.5 fl. oz.	1.6 fl. oz.	1 pint
Cutworms Mealybugs Leafhoppers Thrips (exposed)	1 fl. oz.	3.2 fl. oz.	1 quart

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.

WARNING (Lawn and Ornamental Plant Pests): Keep children and pets off treated areas until spray has dried.

AREA CONTROL OF TICKS: Use DURSBAN 2E to control ticks infesting non-cropland areas such as roadsides, footpaths and trails, picnic and camping sites, parks and other recreation areas where these pests are present and create a nuisance or possible public health problem. Apply DURSBAN 2E in water at the rate of 1 pint per acre (equivalent

to 1 fluid ounce 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.

WARNING (AREA CONTROL OF TICKS): Do not allow public use of treated areas during application or until spray has dried.

MOSQUITOES: Apply DURSBAN 2E 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

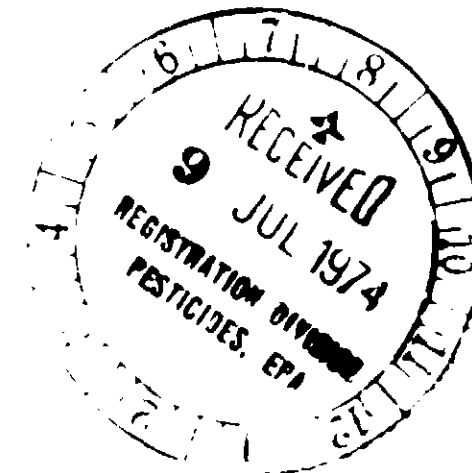
Condition of area to be treated	Amount per Acre		Number Acres 1 gallon of DURSBAN 2E will treat
	DURSBAN 2E fluid ounces	Chlorpyrifos pounds	
Larval Control: None to medium vegetative cover	0.8	0.0125	160
	to 1.6	to 0.025	to 80
Medium to heavy vegetative cover	1.6	0.025	80
	to 3.2	to 0.05	to 40
Adult Control: Light to medium vegetative cover	1.6	0.025	80
	3.2	0.05	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 2E 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.

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USE DIRECTIONS

READ ENTIRE LABEL BEFORE USING. USE ONLY AS DIRECTED.

PESTS INDOORS: General Information: Use DURSBAN 2E Insecticide as a **spot treatment** to control cockroaches, ants, crickets, firebrats, silverfish, spiders and brown dog ticks in and around residential, institutional and commercial buildings including homes, apartment buildings, hospitals, stores and warehouses. Dilute DURSBAN 2E with water or with a suitable base oil to make a 0.25% or 0.50% chlorpyrifos spray as for pests listed. Repeat the treatment as needed.