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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.

# P.T.O. DURSBAN®-2E INSECTICIDE

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

### — CRACK AND CREVICE TREATMENT —

**FOOD HANDLING ESTABLISHMENTS** — Places other than private residences in which exposed food is held, processed or served, (including but not limited to Restaurants, Grocery Stores, Bakeries, Bottling Plants, Canneries and Grain Mills).

**FOOD AREAS** — APPLICATION LIMITED TO CRACK AND CREVICE TREATMENT ONLY. Includes areas for receiving storage, packing (canning, bottling, wrapping, boxing) preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups). Serving areas (when food is exposed and facility is in operation also would be considered a food area).

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

Refer to above chart for dilution rates. Apply in small amounts directly into cracks and crevices using sprayer capable of delivering a pin stream of insecticide in points between different elements of construction, between equipment and floors, openings leading to voids and hollow spaces in walls; equipment legs and bases, conduits, motor housings junctions or switch boxes. Do not use water dilution sprays in conduits, motor housings, and electrical switch boxes. Prior to oil dilution, application de-energize electrical equipment! After application allow time for oil to evaporate before starting motors or placing switches in the ON position where the following insects may hide — COCKROACHES, ANTS, CRICKETS, FIREBRATS, SILVERFISH, SPIDERS. Care should be taken to avoid depositing onto exposed surfaces or introducing the material into the air. Avoid contamination of food or food processing surfaces. For ants apply to ant trails and where they may find entrance. 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. DURSBAN 2E may be applied after 2 days from last treatment but emergency use should be limited to once per month.

**APPLICATION WITHIN RESIDENTIAL BUILDINGS**, including Homes and Apartment Buildings and Within Nonfood Areas of Industrial, Institution, and Commercial Buildings including Hospitals, Stores, Manufacturing Plants, and Warehouses: For Spot Treatment Only — Apply as a course 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 or rooms and closets, cracks and crevices in walls; along and behind baseboards, beneath 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. 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 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 of pet areas. **DO NOT TREAT PETS WITH THIS PRODUCT.** Treat pets additionally with a product registered for animal application.

**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 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.

### OUTDOOR PEST CONTROL

Chinch Bugs, Sod Webworms; (Lawn Moth), Bagworms, Cutworms, Grasshoppers, White Grubs, Ticks and Chiggers

### INDOOR PEST CONTROL

Crickets, Ants, Cockroaches, Silverfish, Spiders, Clover Mites

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### — STATEMENT OF PRACTICAL TREATMENT —

**IF SWALLOWED:** Do not induce vomiting. Call a physician immediately. **IF ON SKIN:** In case of contact, remove contaminated clothing and immediately wash skin with soap and water. **IF IN EYES:** Flush eyes with plenty of water for 15 minutes. Call a physician. **IF INHALED:** Remove victim to fresh air. Apply respiration if indicated.

Keep out of Reach of Children.

## WARNING

See Side Panel for Additional Caution Statements.

### ACTIVE INGREDIENTS:

Chlorpyrifos [0,0-diethyl 0-(3, 5, 6-trichloro-2-pyridyl) phosphorothioate].....	24.70%
Xylene & Xylene-range Aromatic Solvent.....	68.33%
<b>INERT INGREDIENTS:</b> .....	6.97%
<b>Total</b>	<b>100.00%</b>

Contains 2 lbs. Chlorpyrifos per gallon

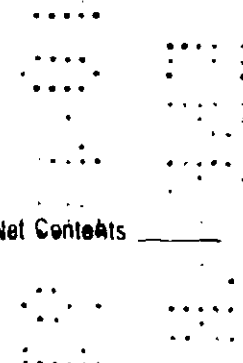
\*DURSBAN® Trademark of Dow Chemical Company  
U.S. Patent No. 3,244,586



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EPA Reg No 3314-58  
EPA Est No 3314-FL-1

Net Contents



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### DIRECTIONS FOR USE — OUTDOOR PESTS

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **PESTS OF LAWNS**, other Ornamental and Recreational Turf Grass Areas and Perennial Turf Grasses Grown only in Seed. Use Dursban 2-E to control the pests listed in the following paragraph by application at the recommended dosages 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 time of treatment.

**INSECTS CONTROLLED** — Ants, Armyworms, Brown Dog Tick, Chiggers, Chinch Bugs, Clover Mites, Crickets, Cutworms, Earwigs, Fleas, Grasshoppers, Sod Webworms, use 1 1/2 fl. ounce per 1,000 Sq. Ft. (See dilution rates below) Spray when pests first appear; retreat when needed. For Sod Webworms delay watering or mowing the treated area for 12 to 24 hours after treatment. Use 3 to 6 gals. water per 1,000 Sq. Ft. White Grubs, (European Chafer and Japanese Beetle larvae); use 3 to 6 ounces per 1,000 Sq. Ft. 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 for your area. Immediately after spraying, irrigate the treated area with 1/2 to 1 inch of water to wash the insecticide in the underlying soil.

**Dilution Rates** — 1 1/2 oz / 1,000 Sq. Ft. = 7 1/2 oz / 5,000 Sq. Ft. = 1 pint per 10,700 Sq. Ft. = 2 quarts/Acre

Hyperodes (Turfgrass) Weevils; Use 1 gallon of this product in 1300 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 best time to treat in your area.

**Area Control of Ticks and Chiggers** — Use Dursban 2-E to control ticks and chiggers infesting non-cropland 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 this product in water at the rate of 1 pint per acre (equivalent to 1 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. Attention (Area Control of Ticks and Chiggers); Do not allow public use of treated areas during application or until spray has dried.

**ORNAMENTAL PLANTS:** Use Dursban 2-E Insecticide to control Aphids, Bagworms, Cutworms, Grasshoppers, Leafhoppers, Mealybugs, Spider Mites, Spittlebugs, Thrips (exposed), and White Flies on flowers, shrubs, vines, shade and flowering trees and evergreens found to be infested with these pests. Dilute with water according to the following directions and apply using suitable hand or power spray equipment in 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.

**INSECTS, CONTROLLED** — Aphids, Bagworms, Eastern Tent Caterpillar, Fall Webworm, Grasshoppers, Spider Mites, Orangestriped Oakworm, Spittlebug, White Flies, Yellownecked Caterpillar. Per 3 gallons water use 0.5 fl. oz. — Per 10 gallons water use 1.6 fl. oz. — Per 100 gallons water use 1 pint. — Cutworms, Leafhoppers, Mealybugs, Mimosa Webworm, Redhumped Caterpillar, Thrips (Exposed stages) Per 3 gallons water use 1 fl. oz. — Per 10 gallons water use 3.2 fl. oz. — Per 100 gallons water use 1 quart. — Ash Borer, Lilac Borer, Scale Crawlers (Oak Lecanium, Pine Needle, Tea, White Peach) Per 3 gallons water use 2.0 fl. oz. — Per 10 gallons water use 6.4 fl. oz. — Per 100 gallons water use 2 quarts.

**DILUTION** — 1 ounce = 2 tablespoonfuls = 6 teaspoonfuls

**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.

**TO HELP PREVENT INFESTATIONS OF BUILDINGS** — For 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 under PESTS OF LAWNS. Apply as a coarse spray to thoroughly and uniformly wet the band area.

### PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals

**WARNING** Keep children and pets off treated areas until spray has dried. May be fatal if swallowed. May be absorbed through the skin. May be injurious to eyes and skin. Combustible liquid.

Do not take internally. Do not get in eyes or on skin. Do not smoke while using. Wash thoroughly after handling. Wash contaminated clothing before re-use. Flush contaminated eyes with plenty of water and get medical attention. Avoid breathing spray mist or vapors. Do not spray vegetable gardens or other plants used for food purposes.

**NOTE TO PHYSICIAN:** Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine only by injection is an antidote.

### PHYSICAL AND CHEMICAL HAZARDS

Keep container closed. KEEP AWAY FROM OPEN FLAME. Handle concentrate in a ventilated area.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and wildlife. Keep out of any body of water. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas 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. Protective information may be obtained from your Cooperative Agricultural Extension Service.

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

#### For Glass Containers:

Triple rinse (or equivalent) and dispose of in a sanitary landfill or by approved State and local procedures.

Pesticide, spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to Federal, State or local procedures under the Resource Conservation and Recovery Act.

#### For Metal Containers:

Triple rinse (or equivalent) and offer for recycling or reconditioning, or dispose of in a sanitary landfill, or by other approved State and local procedures.

Pesticide, spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to Federal, State or local procedures under the Resource Conservation and Recovery Act.

### USE DIRECTIONS — PESTS INDOORS

**GENERAL INFORMATION:** Use to control the pests indicated in the areas listed below by application at a 0.25% or 5% chlorpyrifos (Dursban) spray. Use the 0.25% spray to control light infestation and the 0.5% spray to quickly reduce heavy infestations or as directed. To prepare the spray, dilute with water or with a suitable base oil\* as shown in the following SPRAY DILUTION CHART. Repeat the treatment as needed.

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

Gallons of Spray Mixture Desired	SPRAY DILUTION CHART	
	Fluid Ounces of Dursban 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	21

**Note:** 1 fluid ounce = 2 tablespoonfuls = 6 teaspoonfuls  
# Calculated on basis of deodorized kerosene

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