

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

MAY BE FATAL IF SWALLOWED OR ABSORBED THROUGH SKIN IF SWALLOWED GET IMMEDIATE MEDICAL ATTENTION HARMFUL IF INHALED DO NOT BREATHE VAPORS FUMES OR SPRAY MIST CAUSE EYE DAMAGE DO NOT GET IN EYES ON SKIN OR ON CLOTHING FOR EYE CONTACT FLUSH WITH PLENTY OF WATER AND GET MEDICAL ATTENTION WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING AND BEFORE EATING OR SMOKING WASH CONTAMINATED CLOTHING BEFORE REUSE DO NOT CONTAMINATE FEED OR FOODSTUFFS REMOVE ALL PETS AND AQUARIUMS FROM AREA BEFORE SPRAYING

NOTE TO PHYSICIAN: Active ingredients contain a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Use with care when applying in areas frequented by wildlife or adjacent to any body of water. 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.

PHYSICAL & CHEMICAL HAZARDS

DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING

STORAGE & DISPOSAL

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

STORAGE: If container is damaged. Stop any leaks by repositioning the container or by patching or otherwise repairing the leaks. Take care to avoid contact with pesticide and wear protective gear. On cleanup of spilled liquids wear protective equipment as required to prevent contact with the product or its vapors. Cover the spilled areas with generous amounts of absorbent material, such as clay, diatomaceous earth, sand, or sawdust. Sweep the contaminated absorbent on to a shovel and put the sweepings into a salvage drum. Dispose of waste as below. Place any leaking container into a similar drum or glass container. Do not store, use, pour or spill near heat or open flame.

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: 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.

GENERAL USE PRECAUTIONS: This product is highly toxic to bees exposed to direct treatment or residue on plants. Protective information may be obtained from your Cooperative Agricultural Extension Service.

USE DIRECTIONS:

PESTS INDOORS: General Information. Use DURSBAN 2E insecticide to control the pests indicated in the areas listed below by application as a 0.25% - 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 2E with water or with a suitable base oil* as shown in the following SPRAY DILUTION CHART. Repeat the treatment as necessary.

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

NOTE: Where quick knockdown and/or flushing 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 0.25% 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. Do not use DURSBAN 2E in combination with dichlorvos (DDVP) or pyrethrins for treatment of food areas of food handling establishments.

NOTE TO APPLICATOR: DDVP has been shown to cause discoloration of some carpet. Therefore when Dursban 2E is combined with DDVP do not allow spray, spray mist, drift or runoff to contact carpeting as staining may occur.

Application Within Food Handling Establishments (Places Other Than Private Residences in Which Food is Held, Prepared, Prepared or Served) Including, But Not Limited to, Restaurants, Grocery Stores, Bakeries, Bottling Plants, Canneries and Grain Mills: Use as a spot treatment in and around both food and nonfood areas to control cockroaches (including strains resistant to other insecticides), ants, crickets, firebrats, silverfish, spiders and stored product insects such as confused flour beetle, saw

toothed grain beetle, Indian meal moths, rice weevils, Mediterranean flour moths and red flour beetles. Apply as a coarse low pressure (20 psi or less) spray to localized areas where the above pests have been seen or are suspected of being or entering. Apply only enough spray to thoroughly cover the surfaces treated and special care to avoid unnecessary runoff. 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 and 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 pressure 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), DURSBAN 2E may be applied after 2 days from 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.

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	21

*Note: 1 fluid ounce = 2 tablespoons
6 teaspoons

**Calculated on basis of deodorized kerosene

WARNING

Shock Hazard — If product is diluted with water — DO NOT use in conduits, meter housings and electrical switch boxes. 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.

NON-FOOD AREAS: Include garbage rooms, lavatories, floor drains (to sewers, entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling). Use a 0.25% spray to control light infestations and 0.5% spray to quickly reduce heavy infestation. Apply as a coarse spray or with a paint brush to baseboard areas, around water pipes, surfaces behind and beneath sinks, lockers, tables, panels, and similar areas where insects hide or through which they may enter.

Application within residential buildings including homes and apartment buildings and within nonfood areas of industrial 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 cockroaches (including strains resistant to certain other insecticides), ants, clover mites, crickets, firebrats, silverfish 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 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, rugs and furniture, in closets and on shelving, and wherever else these insects are seen or suspected.

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

prentox®

DURSBAN® 2E INSECTICIDE



ONLY FOR SALE TO, USE AND STORAGE BY SERVICE PERSONS

CONTAINS 2 POUNDS OF CHLORPYRIFOS PER GALLON

CONTROLS PESTS OF HOUSEHOLD (cockroaches, ants, carpet beetles, brown dog ticks, clover mites, crickets, firebrats, silverfish, and spiders). **STORED PRODUCT INSECTS** such as confused flour beetles, saw-toothed grain beetles, Indian meal moths, rice weevils, Mediterranean flour moths and red flour beetles, **TURF** (anzyworms, chiggers, chinch bugs, clover mites, sod webworms, ants, brown dog ticks, cutworms, earwigs, fleas, crickets, grasshoppers, certain white grubs and hyperodes weevil) **AND ORNAMENTAL PLANTS** (aphids, bagworms, eastern tent caterpillars, fall webworm, grasshoppers, mites, orange striped webworms, leafhoppers, spittlebugs, mealybugs, whiteflies, yellow necked caterpillar, minnow webworm, red humped caterpillar, ash borer, lilac borer, certain scale crawlers, exposed thrips, mites, and cutworms.) **ALSO RECOMMENDED FOR AREA CONTROL OF TICKS AND CHIGGERS AND MOSQUITO CONTROL (LARVAE AND ADULTS).**

ACTIVE INGREDIENTS:

Chlorpyrifos [0,0-Diethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate]	24.6%
Xylene range aromatic solvent	68.8%
INERT INGREDIENTS	5.6%
TOTAL:	100.0%

KEEP OUT OF REACH OF CHILDREN

WARNING

STATEMENT OF PRACTICAL TREATMENT

- IF SWALLOWED** — Contains petroleum distillates. Do not induce vomiting. Get medical attention immediately
- IF INHALED** — Remove victim to fresh air. Apply respiration, if indicated
- IF ON SKIN** — Wash area immediately with soap and warm water.
- IF IN EYES** — Flush with plenty of water and get prompt medical attention.

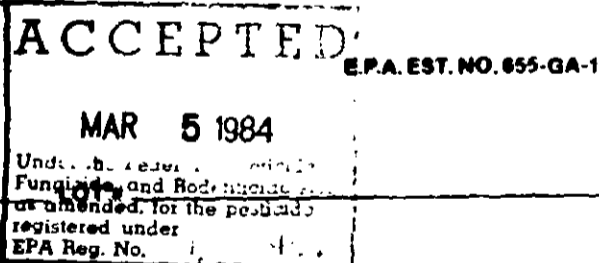
SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

PRENTOX® — Registered Trademark of Prentiss Drug & Chemical Co., Inc.
 DURSBAN® — Trademark of The Dow Chemical Co., Inc.
 US Patent No. 3,244,586

E.P.A. Reg. No. 855-486

NET CONTENTS

Manufactured by



Plant: Keolin Road
 Sandersville, GA. 31062
 Office: C.B. 2000
 Floral Park, NY 11001

WARNING

(PESTS INSIDE) For Spot Application Only. Do not use in food houses, other animal buildings. Do not use in living areas with floor carpets. Do not allow spray to contact food, furniture and toys. 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 (aerators) before spraying.

PESTS OUT-OF-DOORS General Information: Use DURSBAN 2E for control of ticks and for mosquito control. Consult the following directions for dosage and application details to control the pest listed.

NOTE: To help prevent infestation of buildings by ants, crickets, earwigs, cockroaches, and earwigs (pillbugs), treat a band of soil 6 to 10 feet around and adjacent to the building, with the following formulation to a height of 2 to 3 feet, where pests are active and may find entrance. Use same dosage and dilution recommended for control of these pests as shown in the above table. Apply as a coarse spray to thoroughly and uniformly wet the band area.

DOSEAGE AND DIRECTIONS FOR USE ON TURF

PEST	Dosage DURSBAN 2E per 1000 sq. ft.	REMARKS
Ants, anzyworms, brown dog ticks, chiggers, chinch bugs, clover mites, crickets, cutworms, earwigs, fleas, grasshoppers and weevils.	1 1/2 fl. oz.	Spray when pests first appear, repeat when needed. For sod webworms delay watering or mowing the treated area for 12 to 24 hours after treatment.
White grubs (Hyperodes)	3 fl. oz.	Spray immediately after mowing grass in mid-April and again in mid-July or as recommended by your Agricultural Extension Service specialist for your area.
White grubs, European chafar and Japanese beetle only (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 for 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.

1 1/2 fl. oz. per 1000 sq. ft. = 7 1/2 fl. oz. per 5000 sq. ft. = 2 qt. per acre

PESTS OF ORNAMENTALS: Use DURSBAN 2E to control aphids, bagworms, Eastern tent caterpillars, fall webworm, grasshoppers, mealybugs, mites, orange striped webworm, spittlebugs, whiteflies, yellow necked caterpillar, cutworms, leafhoppers, mealybugs, minnow webworm, red humped caterpillar, thrips (especially ash borer, lilac borer, scale crawlers, oak lecanium, pine needle tree white psuch).

DOSEAGE AND DILUTIONS FOR USE ON ORNAMENTAL PLANTS

PESTS CONTROLLED	AMOUNTS OF DURSBAN 2E IN WATER TO MAKE		
	3 gallons	10 gallons	100 gal
aphids, bagworms, Eastern tent caterpillars, fall webworm, grasshoppers, mites, orange striped webworm, spittlebugs, whiteflies, yellow necked caterpillar	0.5 fl. ozs.	1.6 fl. oz.	1 pint
cutworms, leafhoppers, mealybugs, minnow webworm, red humped caterpillar, thrips (especially)	1 fl. ozs.	3.2 fl. ozs.	1 quart
ash borer, lilac borer, scale crawlers, oak lecanium, pine needle tree white psuch.	2.0 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
 ***Equivalent to 1 pound of chlorpyrifos per 100 gallons

INSECTICIDE

CONTROL OF PESTS ON ORNAMENTAL PLANTS
 aphids, mealybugs, scale insects, spider mites, whiteflies, yellow-necked caterpillar, etc.

CONTROL OF PESTS ON TURF
 ants, armyworms, brown dog ticks, chiggers, chinch bugs, clover mites, crickets, cutworms, earwigs, fleas, grasshoppers, sod webworms

CONTROL OF PESTS ON LAWNS AND OTHER ORNAMENTAL AND RECREATIONAL TURF GRASS AREAS

CONTROL OF PESTS ON ORNAMENTAL PLANTS

CONTROL OF PESTS ON TURF

CONTROL OF PESTS ON LAWNS AND OTHER ORNAMENTAL AND RECREATIONAL TURF GRASS AREAS

CONTROL OF PESTS ON ORNAMENTAL PLANTS

CONTROL OF PESTS ON TURF

WARNING

(PESTS INDOORS) For Spot Application Only. Do not use in poultry houses, other animal buildings. Do not use in stables where birds are exposed. Do not allow spray to contact food, feedstuffs and water supplies. Thoroughly wash dishes and feed 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 ticks and for mosquito control. Consult the following directions for dosage and application details to control the pests listed.

NOTE: To help prevent infestation of buildings by ants, crickets, earwigs, millipedes, 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.

DOSEAGE AND DIRECTIONS FOR USE ON TURF

PEST	Dosage DURSBAN 2E per 1000 sq. ft.	REMARKS
Ants, armyworms, brown dog ticks, chiggers, chinch bugs, clover mite, crickets, cutworms, earwigs, fleas, grasshoppers, sod webworms	1 1/2 fl oz	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.
Turfgrass weevil (Hydrophilus)	3 fl oz	Spray treated problem areas in mid-April and again in mid-May or as recommended by your Agricultural Extension Service specialist for your area.
White grubs, European chaffer and Japanese beetle only (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 for 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.

1 1/2 fl oz per 1000 sq ft = 7 1/2 fl oz per 5000 sq ft = 2 qt per acre

PESTS OF ORNAMENTALS: Use DURSBAN 2E to control aphids, belemnites, cutworms, grasshoppers, leafhoppers, mealybugs, mites, spiderbugs, thrips (exposed) and whiteflies on flowers, shrubs, vines, shade 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 retreat at 7 to 10 day intervals if needed. **NOTE:** Do not use on azaleas, camellias, poinsettias, rose bushes or vine-covered ivy because of possible injury to these plants.

DOSEAGE AND DILUTIONS FOR USE ON ORNAMENTAL PLANTS

PESTS CONTROLLED	AMOUNTS OF DURSBAN 2E IN WATER TO MAKE		
	3 gallons	10 gallons	100 gallons
aphids, belemnites, Eastern tent caterpillars, fall webworm, grasshoppers, mites, orange striped webworm, spittlebugs, whiteflies, yellow-necked caterpillar	0.5 fl oz	1.6 fl oz	1 pint*
cutworms, leafhoppers, mealybugs, mimosa webworm, red humped caterpillar, thrips (exposed)	1 fl oz	3.2 fl oz	1 quart**
ash borer, Mac borer, scale, crawlers, oak lecanium, pine needle tea, white peach	2.0 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
 ***Equivalent to 1 pound of chlorpyrifos per 100 gallons

NOTE: Mosquitoes coming to reason areas treated for control of turf and ornamental plant pests will be killed for varying periods of time after treatment depending on the amount of treated areas by weathering conditions.

PESTS OF LAWNS AND OTHER ORNAMENTAL AND RECREATIONAL TURF GRASS AREAS: Use DURSBAN 2E to control the pests listed in the following table by application at the recommended dosages and in accordance with the directions given below. Dilute DURSBAN 2E in enough water to obtain complete and uniform coverage of pest infested areas and apply at 1/2 coarse, low pressure, hand or power spray application equipment. Thoroughly water immediately after treatment to wash the insecticide into the turf except as noted for spot treatments. The turf should be moist at time of treatment.

WARNING (LAWNS AND ORNAMENTAL PLANT PESTS): Keep children and pets off treated areas until spray has dried. Keep out of lawn and garden hotspots and other bodies of water. Fish may be killed if their waters are contaminated with this product. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated.

NOTE (ELM BARK BEETLE): Prevention of Overwintering. To prevent the adult beetle from overwintering in uninfested trees and to reduce beetle populations in disease free areas, apply DURSBAN 2E insecticide as a 0.5% mixture of chlorpyrifos in water to the bottom 8 feet of the trunk. Wet the trunk thoroughly but do not spray to runoff. Care should be taken to apply the spray right to the base of the root flare. Applications can be made with either a backpack mist blower or a hydraulic pressure sprayer from spring through to the early fall. **Prevention of Branch and Twig Feeding on High Value Elm Trees.** To reduce the twig and branch feeding on uninfested trees desired to be high in value, apply a 0.5% chlorpyrifos water spray to the tree crown. Application should be made in the spring or early summer using a sprayer that will give thorough coverage to the tree crown.

AREA CONTROL OF TICKS AND CHICKENS (SEE DURSBAN 2E) to control ticks and chickens infesting non-crop land areas such as roadsides, feedlots and trails, parks and camping sites, water and other recreational areas where these pests are present and cause a nuisance or possible health problem. Apply DURSBAN 2E in water at the rate of 1 pint per acre (equivalent to 1 fl oz per 2,000 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 gal. per acre.

WARNING (AREA CONTROL OF TICKS AND CHICKENS): Do not allow public use of treated areas during application or until spray has dried. Do not apply when weather conditions favor drift from treated areas. Do not apply where runoff into lakes, streams, ponds or other bodies of water is likely to occur. Fish and crustaceans may be killed if their waters are contaminated with this product.

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. For Larval Control in non-crop areas use only in intermittently flooded areas, standing waters, temporary rain pools and log ponds.

CONDITIONS AND RATES TO USE FOR MOSQUITO CONTROL

Condition of Area to be Treated	Amount to Use Per Acre		Number Acres 1 Gallon of Dursban 2E Will Treat
	Dursban 2E (fl oz)	Chlorpyrifos (pounds)	
Larval Control:			
None to medium vegetative cover in Non-Crop Areas	0.6 to 1.6	0.0125 to 0.025	160 to 80
Medium to heavy vegetative cover in Non-Crop Areas	1.6 to 3.2*	0.025 to 0.05*	80 to 40
Adult Control:			
Light to medium vegetative cover	1.6	0.025	80
Medium to heavy vegetative cover	3.2*	0.05*	40

*The higher dosage will also give the 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.