

**ACCEPTED**  
 AUG 27 1991  
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, the pesticide registered under EPA Reg. No. 829-279

**BEST AVAILABLE COPY**

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 EPA  
 829-279  
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**STORAGE AND DISPOSAL**  
 Do not contaminate water, food or feed by storage or disposal.

**STORAGE:** Store in original container in secured dry storage area. Prevent cross-contamination with other pesticides and fertilizers. Do not store above 100°F for extended periods of time. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below.

**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: PLASTIC** Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

50.0  
**DURSBAN® 2E**  
 INSECTICIDE

**OUTDOOR PEST CONTROL**  
 Chinch Bugs, Sod Webworms; (Lawn Moth) Bagworms, Cutworms, Grasshoppers, White Grubs, Ticks, Fleas and Chiggers

**INDOOR PEST CONTROL**  
 Crickets, Ants, Cockroaches, Silverfish, Spiders, Clover Mites

**DIRECTIONS FOR USE**  
 It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

**SEE ATTACHED BOOKLET FOR THE SPECIFIC DIRECTIONS FOR USE OF THIS PRODUCT.**

**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 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.

**RQ CHLORPYRIFOS MIXTURE**  
**LIQUID N.O.S.**  
**COMBUSTIBLE LIQUID NA 1993**

**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.**

**ACTIVE INGREDIENT:**  
 Chlorpyrifos (0,0-diethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate) ..... 24.70%  
**INERT INGREDIENTS:** ..... 75.30%  
 Total 100.00%

\*Contains Xylene Range Aromatic Solvent  
 Contains 2 lbs. Chlorpyrifos per gallon

Dursban® is a registered trademark of Dow Chemical Co for Chlorpyrifos Insecticide

**KEEP OUT OF REACH OF CHILDREN**  
**WARNING — AVISO**

**PRECAUCION AL USUARIO:** Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

**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.

**— 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. Call a physician. **IF INHALED:** Remove victim to fresh air. Apply respiration if indicated. **NOTE TO PHYSICIAN:** Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine only by injection is an antidote.

**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.

**PHYSICAL AND CHEMICAL HAZARDS**  
 Keep container closed. **KEEP AWAY FROM OPEN FLAME.** Handle concentrate in a ventilated area.

EPA EST. NO. 829-F-1 (3), 829-NC-1 (4), 829-NC-2 (5) Number following Est. No. corresponds to first digit in Lot No. on side of label.

**Southern Agricultural Insecticides, Inc.**  
 Palmetto, FL 34220  
 Hendersonville, NC 28793  
 Boone, NC 28607  
 Net Contents Liquid: 1 Gal.

ON LOT

the lawn must be moist at time of application.

**INSECTS CONTROLLED** — Ants, Armyworms, Brown Dog Tick, Chiggers, Chinch Bugs, Clover Mites, Crickets, Cutworms, Earwigs, 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 thorough 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, Spittlebug, Leafhoppers, and White Flies of Houseplants, vines, shade and flowering trees and overgrowth found to be infested with these pests. Dilute with water according to the following directions and apply with suitable hand or power spray equipment in manner to provide complete and uniform coverage of infested plants. Avoid overspraying to the point of excess wetting. Treat when pests appear and repeat at 7 to 10 day intervals, if needed. **NOTE:** Do not use on Azaleas, Camellias, Portulacacias, Rose bushes, and Ligustrum because of possible injury to these plants.

**INSECTS CONTROLLED** — Aphids, Bagworms, Eastern Tent Caterpillar, Fall Webworm, Grasshoppers, Spider Mites, Orangestriped Oakworm, Spittlebug, Leafhoppers, and White Flies of Houseplants. 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. 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, Lac Borer, Scale Crawlers (Oak Lecanium, Pine Needle Tea, White Peach), Per 3 gallons water, use 2 fl. oz. — Per 10 gallons water, use 6.4 fl. oz. — Per 100 gallons water, use 2 quarts.

**DILUTION** — 1 ounce = 2 tablespoons = 6 teaspoons

**NOTE:** Mosquitoes during resting 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 (P. bugs), 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.

**USE DIRECTIONS — PESTS INDOORS**

**GENERAL INFORMATION** — Use to control the pests indicated in the areas listed below. Application as a 0.25% or 0.5% spray for Dursban spray. Use the 0.25% spray to control light infestations and the 0.5% spray to quickly reduce heavy infestations or to prevent future spread. The spray dilute with water or with a suitable base oil\* as shown in the following SPRAY DILUTION CHART. Repeat the treatment as needed. **NOTE:** This product and other suitable oil-based sprays to be applied in food handling establishments.

**SPRAY DILUTION CHART**

Gallons of Spray Mixture Desired	Fluid Ounces of Dursban to Use	
	0.25 Spray %	0.5% Spray
Water base Spray		
1	1 1/2	2 1/2
3	4	8
5	6 1/2	13 1/2
10	13 1/2	26 1/2
Oil base Spray *		
1	1	2
3	3	6
5	5	10
10	10	21

**NOTE:** \* fluid ounce = 2 1/2 teaspoons = 6 teaspoons  
\* Calculated on basis of kerosene

**NOTE:** Where quick knockdown and/or flushing action is desired dichlorvos (DDVP) or pyrethrin 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 directions on pyrethrin products used to determine the amount needed to give the

**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 or 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, Institutional, and Commercial Buildings Including 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, 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 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.

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**SFA** 50.



**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.**

**DIRECTIONS  
FOR  
USE**

**Southern Agricultural Insecticides, Inc.**

Palmetto, FL 34228    Hendersonville, NC 28793    Boone, NC 28607  
EPA REG. NO. 829-279    J1

**ACTIVE INGREDIENT:**

Chlorpyrifos (O,O-dimethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate)

**INERT INGREDIENTS:**

\*Contains Xylene Range Aromatic Solvent

24.70%

75.30%

Total 100.00%

Contains 2 lbs Chlorpyrifos per gallon

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**Keep Out of Reach of Children****WARNING — AVISO**

**PRECAUCION AL USUARIO:** Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente

**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.

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**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. Call a physician. **IF INHALED:** Remove victim to fresh air. Apply respiration if indicated. **NOTE TO PHYSICIAN:** Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine only by injection is an antidote.

**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.

**PHYSICAL AND CHEMICAL HAZARDS**

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

Do not contaminate water.  
**STORAGE:** Store in original container with other pesticides during extended periods of time. Immediately or dispose of by **PESTICIDE DISPOSAL:** pesticide, spray mixture cannot be disposed of by Pesticide or Environmental Protective Agency at the nearest EPA **CONTAINER DISPOSAL:** and dispose of in a sanitary manner, by burning.