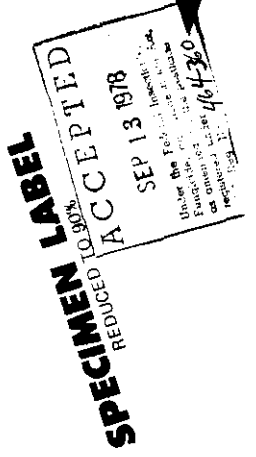


464-360

09/13/1978

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LOT MM

USE DIRECTIONS

Pest Insects: Use DURSBAN 4E insecticide to control the pests indicated in the area 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 as directed following SPRAY DILUTION CHART. Repeat treatments are recommended as needed. Applications of DURSBAN 4E in combination with other insecticides are not permitted.

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

Gallons of Spray Mixture Desired	Fluid Ounces of DURSBAN 4E to Use	
	0.25% spray	0.50% spray
Water-base spray:		
1	1/2	1 1/2
3	2	4
5	3 3/5	6 3/5
10	6 3/5	13 3/5
Oil-base spray††		
1	1/2	1
3	2 1/2	3
5	3 3/5	5 3/5
10	6 3/5	10 3/5

†† 1 fluid ounce = 2 tablespoons + 2 teaspoons. ††† Calculated on basis of deacidulated kerosene.

Note: Where quick "knockdown" and/or "blasting action" is desired, dichlorvos (DDVP) or pyrethrin may be added to the spray mixture containing DURSBAN 4E insecticide. For best results, use dichlorvos at a concentration of 0.25% in both water and oil-base sprays; use pyrethrin at 0.25% in water-base and 0.05% in oil-base sprays. Consult the labeling for the dichlorvos or pyrethrin for use in combination with DURSBAN 4E. Also read and observe all use and handling precautions for these products. Do not use DURSBAN 4E in combination with dichlorvos (DDVP) or pyrethrin for treatment of food areas of food handling establishments.

Application Within Food Handling Establishments (Flies, Other Than Private Residences in which food is sold, prepared, stored, packaged, or served; Pests: Houseflies, Biting Flies, House Flies, Gnats, and Mosquitoes): For best results, use DURSBAN 4E in combination with other insecticides for treatment to control conditions (including animals resistant to certain other insecticides), ants, crickets, fleas, ticks, silverfish and spiders in and around both food and nonfood areas by application as a coarse, low pressure (50 psi or less) spray to localized areas where the above pests include dark corners of rooms and closets; along and behind baseboards; beneath and behind around plumbing and other utility installations; for ants apply to ant trails and wherever these pests may find entrance. Spot treatments may encompass cracks and crevices treatment by applying small amounts of material directly into openings, leading to voids and hollow spaces in walls, baseboards, and baseboards. Do not apply to surfaces where there is a possibility of direct contact or consumption of food. Repeat treatments may be necessary if infestation persists. Do not use more than one application per year 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 (only local), DURSBAN 4E may be applied every 7 days for a maximum of 14 days. Do not use more than one application per year.

Application of DURSBAN 4E in food handling establishments other than as a spot and/or crack and crevice treatment are not permitted.

86-1396 PRINTED IN U.S.A. IN MAY, 1978.
 REPLACES SPECIMEN LABEL 86-1396 PRINTED IN MARCH, 1977.
 DISCARD PREVIOUS SPECIMEN LABELS.
 REVISIONS INCLUDE: (1) ADDITION OF "DO NOT CUT OR WELD CONTAINER"
 (2) ADDITION OF EMERGENCY RESPONSE PHONE NUMBER.

Application Within Residential Buildings (Including Homes and Apartment Buildings and Within Nonfood Areas of Industrial, Institutional, and Commercial Buildings Including Schools, Stores, Manufacturing Plants and Warehouses): For best results, use DURSBAN 4E in combination with other insecticides for spot treatments of localized areas where the above pests are found or normally occur including dark corners of rooms and closets; cracks and crevices in walls; along and behind baseboards; beneath and behind baseboards; beneath and behind around doors and windows and wherever else these pests may find entrance. For clear areas use a 0.5% spray only. Note: A period of 4 to 7 days is normally required for maximum effect of ant roaches.

For control of carpet beetles, thoroughly spray a 0.5% spray as a spot treatment along the perimeter of the carpet, and where the insects are found. Repeat treatments as needed.

For control of house fly ticks, thoroughly spray 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. Repeat treatments as needed.

For control of house flies, use this product in combination with other insecticides, bait traps, traps and catch basins or other electrical devices because of possible black hazard. If there is need to treat with water use only oil-base sprays. Prior to application de-energize electrical equipment. After application allow time for it to evaporate before starting cleaning activities in the area. Do not use in areas where there are children. 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 tanks (baths) before spraying.

Pests Out-of-Doors

General Information: Use DURSBAN 4E for control of certain pests of lawns and ornamental plants, for area control of ticks and chiggers 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 4E to control the pests listed in the following table by applying the recommended dosage rate in a uniform coverage of pest infested areas and apply at 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.

ACTIVE INGREDIENTS:	41.2%
Chlorpyrifos (10,0-diethyl 0-(3,5,6-trichloro-2-pyridyl)-phosphorothioate)	41.2%
Aromatic petroleum derivative solvent	29.5%
INERT INGREDIENTS	29.3%
Contains 4 pounds of chlorpyrifos per gallon.	
E.P.A. Registration No. 464-360	
E.P.A. Est. 464-MI-1	

PRECAUCION AL USUARIO: Si usted no lee ingles, no esta practico hacer que la etiqueta le haya sido explicada completamente. TRANSLACION: (TO THE USER. If you cannot read English, do not use this product until the label has been fully explained to you.)

WARNING

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 Water and Get Prompt Medical Attention • Avoid Breathing Vapors and Spray Mist • Avoid Spraying Food Crops • Keep Away from Food, Feeds, Pets, and Domestic Water Supplies • Keep Container Closed • Do Not Use, Pour, Spill, or Store Near Heat or Open Flame • Do Not Cut or Weld Container • Handle Carefully in a Ventilated Area

Note to Physician: Chlorpyrifos is a cholinesterase inhibitor. Atropine is an antidote.

In case of an emergency endangering life or property involving this product, call collect 517-636-4400

AGRICULTURAL CHEMICAL
 Do Not Ship or Store with Food, Feeds, Drugs or Clothing

DURSBAN* 4E
INSECTICIDE

Controls Numerous Pests of Households, Turf, and Ornamental Plants. Also Recommended for Mosquito Control and Area Control of Ticks and Chiggers.

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



SPECIMEN LABEL
 ACCEPTED

SPECIMEN LABEL
 (BACK)
 REDUCED TO 90%

DOSAGES and DIRECTIONS for USE on TURF

Pest	Dosage DURSABAN 4E per 1000 sq. ft.	Bermarks
Ants Armyworms Biting ticks Chiggers Chinch bugs Crows Crickets Earwig Fleas Grasshoppers Soldier beetles	3/4 fl. oz.	Spray when pests first appear; retreat when needed. For ant and earwig delay watering or mowing the treated area for 12 to 24 hours after treatment.
Turfgrass (Hyperovids)	1 1/2 fl. oz.	Spray suspected problem areas in mid-April and again in mid-July or as recommended by your local Agricultural Extension Service. Retrace for your area.
White grubs (European chaffer and Japanese beetle larvae only)	1 1/2 to 3 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. Speculate for beetle larvae only. Retrace for your area. Mix the insecticide into the underlying soil.

1 fl. oz. per 1000 sq. ft. = 3 1/2 fl. oz. per 2500 sq. ft. = 7 1/2 pints per 10,760 sq. ft. = 1 quart per acre.

Note: To help prevent infestation of buildings by ants, chiggers, crickets, katydids, and weevils (Gribbugs), treat a band of soil 4 to 10 feet wide around and under the building, also the building foundation to a height of 2 to 3 feet, where pests are active and may find entrance. Use 2 1/2 fluid ounces of DURSABAN 4E per 100 gallons of water and apply as a coarse spray to thoroughly and uniformly wet the band area.

Pests of Ornamentals: Use DURSABAN 4E to treat flowers, shrubs, trees, shade and flowering trees, and evergreens found to be infested with the pests listed in the following table. Dilute DURSABAN 4E according to directions on the label and apply to soil and apply using portable hand or power spray equipment. Do not spray green foliage. Do not spray the trunk and main branches. Apply a wetting spray to both upper and lower leaf surfaces and infested limb and trunk areas. Attempt to penetrate dense foliage but 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, penstemon, rose bushes, or rose-girdler (because of possible injury to these plants).

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 (especially) and other bodies of water.

Area Control of Ticks and Chiggers: Use DURSABAN 4E to control ticks and chiggers infesting non-cropland areas such as roadsides, footpaths and trails, picnic and camping sites, parks and other recreational areas. Dilute DURSABAN 4E according to directions on the label. Do not spray on areas where people may be present. Do not use DURSABAN 4E as a tick and chigger repellent for humans. Do not use DURSABAN 4E for tick and chigger control on livestock. Use DURSABAN 4E (2,700-ppm) using a hydraulic sprayer, air-activated, backpack sprayer, or other suitable hand



**INSECTICIDE
LIQUID
N.O.S.
(Contains
Xylene)**

F-47B

THE DOW CHEMICAL COMPANY
 AND SUBSIDIARIES
 MIDLAND, MICHIGAN 48640, USA HORGREN, SWITZERLAND HONG KONG
 CORAL GABLES, FLORIDA 33134, USA SARNIA, ONTARIO, CANADA
® Trademark of THE DOW CHEMICAL COMPANY

Do not spray on animals. Treat the underside of grass areas, weeds, and ground surface and debris with water before using to obtain the best coverage. Do not use in 100 ppm areas unless you have approved. Use in 100 ppm areas only. Do not use in 100 ppm areas unless you have approved. Do not use in 100 ppm areas unless you have approved. Do not use in 100 ppm areas unless you have approved.

**DOSAGES and DILUTIONS for USE
on ORNAMENTAL PLANTS**

Pests Controlled	Amount of DURSABAN 4E in Water to Make 3 Gallons	3 Gallons of DURSABAN 4E per 100 Gallons
White grubs	0.25 fl. oz.	0.8 fl. oz.
Ants	0.25 fl. oz.	0.8 fl. oz.
Earwig	0.25 fl. oz.	0.8 fl. oz.
European chaffer	0.25 fl. oz.	0.8 fl. oz.
Chinch bugs	0.25 fl. oz.	0.8 fl. oz.
Whiteflies	0.25 fl. oz.	0.8 fl. oz.
Yellow-necked caterpillar	0.25 fl. oz.	0.8 fl. oz.
Chiggers	0.25 fl. oz.	0.8 fl. oz.
Japanese beetle	0.25 fl. oz.	0.8 fl. oz.
Armyworm	0.25 fl. oz.	0.8 fl. oz.
Crows	0.25 fl. oz.	0.8 fl. oz.
Crickets	0.25 fl. oz.	0.8 fl. oz.
Earwig	0.25 fl. oz.	0.8 fl. oz.
Fleas	0.25 fl. oz.	0.8 fl. oz.
Grasshoppers	0.25 fl. oz.	0.8 fl. oz.
Soldier beetle	0.25 fl. oz.	0.8 fl. oz.
Turfgrass	0.25 fl. oz.	0.8 fl. oz.
White grubs	0.25 fl. oz.	0.8 fl. oz.
Ants	0.25 fl. oz.	0.8 fl. oz.
Earwig	0.25 fl. oz.	0.8 fl. oz.
European chaffer	0.25 fl. oz.	0.8 fl. oz.
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Soldier beetle	0.25 fl. oz.	0.8 fl. oz.
Turfgrass	0.25 fl. oz.	0.8 fl. oz.

1 fl. oz. per 1000 sq. ft. = 3 1/2 fl. oz. per 2500 sq. ft. = 7 1/2 pints per 10,760 sq. ft. = 1 quart per acre.

CONDITIONS and RATES to USE for MOSQUITO CONTROL

Condition of Area to be Treated	Amount to Use Per Acre		Number Acres per Gallon of DURSABAN 4E With Inert
	DURSABAN 4E (fluid ounces)	Chlorpyrifos (pounds)	
Lawn Control			
None to medium vegetative cover	0.4 to 0.8	0.0125 to 0.025	330 to 160
Medium to heavy vegetative cover	0.8 to 1.6*	0.025 to 0.05†	160 to 80
Adult Control			
Light to medium vegetative cover	0.8	0.025	160
Medium to heavy vegetative cover	1.6†	0.05	80

* This dosage will also give some knockdown and longer residual control when there is little or no vegetation cover.
† This dosage will also give some knockdown and longer residual control when there is little or no vegetation cover.