

ADVERTISING AND SALES PROMOTION SERVICES

30PV

FOR: AGWAY DURSBAN 4E INSECTICIDE

DATE: 5/14/81

DOSAGES and Dilutions for USE on ORNAMENTAL PLANTS			
Pests Controlled	Amount of DURSBAN 4E in Water to Make		
	3 Gal.	10 Gal.	100 Gal.
Aphids	0.25 Fl. oz.	0.8 Fl. oz.	0.5 pint*
Bagworms			
Eastern Tent caterpillar			
Fall webworm			
Grasshoppers			
Mites			
Orangestriped oakworm			
Spittlebugs			
Whiteflies			
Yellownecked caterpillar			
Cutworms	0.5 Fl. oz.	1.6 Fl. oz.	1 pint **
Leafhoppers			
Mealybugs			
Mimosa webworm			O'K BY
Redhumped caterpillar			
Thrips (exposed)			

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Ash borer	1.0	3.2	1 qt
	Fl. oz.	Fl. oz.	
Dogwood borer			
Scale crawlers			
Oak lecanium			
Pine needle			
Tea			
White peach			

PICA 30-CHARACTERS  
E.L. 78-30-CHARACTERS

- \* 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.

STORAGE AND DISPOSAL (12 pt.)

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

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 & Recovery Act.

Triple rinse (or equivalent) and dispose of in a sanitary landfill or by other approved state and

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local procedures.

← PICA - 30 CHARACTERS  
ELITE - 30 CHARACTERS

NOTE: This pesticide is to be sold ONLY in  
this original unbroken package.

DISCLAIMER: Buyer assumes all risks of use,  
storage or handling not in strict accordance  
with directions given herewith.

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((REAR PANEL))

PCA - 100-CHARACTERS  
LCTE - 20-CHARACTERS

PRECAUTIONARY STATEMENTS

Hazards to Humans

MAY BE FATAL IF SWALLOWED - MAY BE ABSORBED  
THROUGH SKIN - MAY BE INJURIOUS TO EYES AND SKIN.

Do not take internally. Do not get in eyes or  
on skin. Wash thoroughly after handling. Wash  
contaminated clothing before reuse. Flush  
contaminated eyes with plenty of water and get  
prompt medical attention. Avoid breathing va-  
pors and spray mist. Avoid spraying food crops.  
Keep away from food, feedstuffs, and domestic  
water supplies. Keep container closed. Handle  
concentrate in a ventilated area.

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 imme-  
diately wash skin with soap and water. If in Eyes:  
Flush eyes with plenty of water for 15 minutes.  
Call a physician.

Note To Physician: Chlorpyrifos is a cholinesterase  
inhibitor. Treat symptomatically. Atropine  
only by injection is an antidote.

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PESTS INDOORS

AGA - 200-2401255  
LURE - 100-2401255A

General Information: Use DURSBAN 4E insecticide to control the pests indicated in the areas 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 or as directed. To prepare the spray, dilute DURSBAN 4E 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.

SPRAY DILUTION CHART

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

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Oil-base spray\*\*

1	1/2	1
3	1 1/2	3
5	2 1/2	5
10	5	10 1/2

\*Note: 1 fluid ounce = 6 teaspoonfuls

\*\*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 4E 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 oil-base sprays. Consult the 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 4E in combination with dichlorvos (DDVP) or pyrethrins for treatment of food areas of food handling establishments.

Application Within Food Handling Establishments  
(Places Other Than Private Residences in Which Food is Held, Processed, Prepared or Served) in-

AGWAY CHARACTERISTICS

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cluding, 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 certain other insecticides), ants, crickets, firebrats, silverfish, spiders, and stored product insects such as confused flour beetles, saw-toothed grain beetles, 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. 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 equipment and floors. Equipment capable of delivering a pin stream of insecticide should be used. Repeat treatment as needed but not more

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often 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 4E may be applied after 2 days from the 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.

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 and behind sinks, stoves, refrigerators and cabinets around plumbing and other utility

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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 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.

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

DO NOT TREAT PETS WITH THIS PRODUCT.

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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.

PESTS OUT-OF-DOORS

GENERAL INFORMATION: Use DURSBAN 4E for control of certain pests on outside surfaces of buildings and on lawns and ornamental plants, and for area control of ticks and chiggers. Consult the following directions for dosage and application details to control the pests listed.

Pests on Outside Surfaces of Buildings: Use DURSBAN 4E at the rate of 1 1/3 fluid ounces per one gallon of water (0.5% chlorpyrifos emulsion) to control ants, clover mites, cockroaches

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crickets, earwigs, fleas, flies, millipedes, mosquitoes, sowbugs, spiders and ticks by application as a residual spray or with a paint brush to outside surfaces of buildings including porches, screens, window frames, eaves, patios, garages, refuse dumps and other areas where these pests congregate or have been seen. Do not treat or allow the spray to contact plants (lawns, flowering plants, shrubs, trees, evergreens, etc.) because of possible injury. Repeat treatment as needed to maintain effectiveness.

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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 buildings, also the building foundation to a height of 2 to 3 feet, where pests are active and may find entrance. Use 8 ounces of DURSBAN 4E per 100 gallons of water and apply as a coarse spray at the rate of about 10 gallons spray mixture per 1,000 sq. ft. to thoroughly and uniformly wet the band area.

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Pests of Lawns, other Ornamental and Recreational Turf Grass Areas and Perennial Turf Grasses Grown Only for Seed: Use DURSBAN 4E to control the pests listed in the following table by application

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at the recommended dosages and in accordance with the directions given below. Dilute DURSBN 4E 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.

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DOSAGES AND DIRECTIONS FOR USE ON TURF

Pest	Dosage Dursban 4E per 1,000 sq.ft.	Remarks
Ants	3/4* fl.oz.	Spray when pests first appear;
Armyworms		retreat when needed. For sod
Brown dog tick		webworms delay watering or mowing
Chiggers		the treated area for 12 to 24
Chinch bugs		hours after treatment.
Clover mite		
Crickets		
Cutworms		
Earwigs		
Fleas		
Grasshoppers		
Sod webworms (lawn moths)		

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Pest	Dosage Dursban 4E per 1,000 sq.ft.	Remarks
Turfgrass (Hyperodes) Weevil	1 1/4 fl.oz.	Spray suspected problem areas in mid-April and again in mid-May or as recommended by your local Agricultural Extension Service specialist in your area.
White grubs (European chafer and Japanese beetle larvae only)	1 1/4 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 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.
Bluegrass billbug	1 1/4 to 3 fl.oz.	Spray early in the season when adults first appear. Retreat when needed.

← 1 CA 10-CHARACTERS  
1078 - 10-CHARACTERS

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\*3/4 fl.oz. per 1,000 sq.ft. = 3 3/4 fl.oz. per 5,000 sq.ft.  
= 1/2 pint per 10,700 sq.ft. = 1 quart per acre.

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Pests of Ornamentals: Use DURSBAN 4E to treat flowers, shrubs, vines, shade and flowering trees, and evergreens found to be infested with the pests listed in the following table. Dilute DURSBAN 4E with water according to directions given in the table and apply using suitable hand or power spray equipment in a manner to provide complete and uniform coverage. For best results 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, camelias, poinsettias, rose bushes, or variegated ivy because of possible injury to these plants:

Dogwood Borer - Apply DURSBAN 4E to the trunks and lower limbs of dogwood trees when the adults begin to emerge. Consult your State Agricultural Experiment Station or Extension Service specialist for proper time to treat in your area. Mix at the rate of one quart of DURSBAN 4E in 100 gallons of water and apply uniformly on trees as a coarse, low-pressure spray.

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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 (TURF AND ORNAMENTAL PLANT PESTS):  
Keep children and pets off treated areas until spray has dried. Keep out of lawn and garden fishpools and other bodies of water. Do not allow livestock to graze in treated areas. Do not feed treated grass cuttings (hay) or seed screenings to livestock nor use hay for livestock bedding.

Native Elm Bark Beetle. Prevention of Overwintering. To prevent the adult beetle from overwintering in uninfected trees and to reduce beetle populations in disease free areas, apply DURSBAN 4E insecticide as a 0.5% mixture of chlorpyrifos in water to the bottom 9 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 back pack mist blower or a hydraulic pressure sprayer from spring through to the early fall.

PCA 10 CHARACTERS  
DATE - 10 CHARACTERS

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Prevention of Branch and Twig Feeding on High Value Elm Trees. To reduce the twig and branch feeding on uninfected trees deemed 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 Chiggers: Use DURSBAN 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 where these pests are present and create a nuisance or possible public health problem. Apply DURSBAN 4E in water at the rate of  $\frac{1}{2}$  pint per acre (equivalent to  $\frac{1}{2}$  fl. oz. 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.

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Imported Fire Ant: Treatment of potted plants, Use DURSBAN 4E to control imported fire ants in soil attached to roots of potted plants by completely submerging the ball of soil in a tank containing DURSBAN 4E diluted at the rate of 4 fl. oz. per 100 gallons of water. Do not remove burlap wrap or plastic containers with drain holes prior to submerging. Keep soil submerged until complete saturation has occurred, normally about 30 seconds. Wear rubber gloves, boots and apron during this operation.

Cottonwood Leaf Beetles: Use DURSBAN 4E to control larvae and adults of the cottonwood leaf beetle infesting cottonwoods grown in nurseries and plantations by application at the rate of 4 to 6 fluid ounces per acre using sufficient water to ensure thorough and uniform coverage of treated trees but avoid excessive runoff. Make the treatment using hand or power-operated ground spray equipment when field counts indicate damaging beetle populations are developing or present. For application use 8 to 20 gallons of spray volume per acre.

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