

ADVERTISING AND SALES PROMOTION SERVICES COPY

FOR:

AGWAY DURSBAN 1 INSECTICIDE

DATE: 7/14/82

Thoroughly wet all bark areas from ground level to scaffold limbs. Consult your State Agricultural Experimental Station or Extension Service specialist for proper time to treat in your area.

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 fishpools and other bodies of water.

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 1 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

RECOMMENDED

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Pest	Dosage DURSBAN 1 per 1,000 sq. ft.	Remarks
White grubs (European chafer and Japanese Beetle larvae only)	6 to 12 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.
Bluegrass billbug	6 to 12 fl. oz.	Spray early in the season when adults first appear. Retreat as needed.

*1½ fl. oz. per 1,000 sq. ft. = 7½ fl. oz. per
5,000 sq. ft. = 1 pint per 10,700 sq. ft. = 2 quarts
per acre.

Area Control of Ticks and Chiggers: Use DURSBAN 1 insecticide 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 1 in water at the rate of 2 pints per acre (equivalent to 1 fl. oz. per 2,700 sq. ft.)

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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.

Imported Fire Ant: Treatment of potted, containerized and balled and burlapped nursery stock. Use DURSBAN 1 to control imported fire ants in soil attached to roots of these plants by completely submerging the ball of soil in a tank containing DURSBAN 1 diluted at the rate of 16 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.

Treatment of fire ant mounds. Apply DURSBAN 1 as a drench diluted at the rate of 2 fl. oz.

NO MORE THAN 100 CHARACTERS

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(30cc) per 2 gallons of water. Gently sprinkle a total of 1 gallon of the diluted solution over the surface of each mound using a sprinkler can. Thoroughly wet mound and surrounding area to a 4 ft. diameter (12 sq. ft.). For best results apply in cool weather, 65-80°F, or in early morning or late evening hours. Treat new mounds as they appear. Pressurized sprays may disturb the ants and cause migration, reducing product effectiveness.

Mosquitoes: Apply DURSBAN 1 insecticide to mosquito-infested, non-crop areas according to the conditions and rates shown in the following table. Mix DURSBAN 1 with water 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.

WARNING (Mosquito Control): Read complete Environmental and Use Precautions and consult your State Fish and Game Department before using this product for mosquito control.

PCA - 3 CHARACTER.
LITE - 10 CHARACTER.

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DOSAGES and DILUTIONS for USE ON

PCA - 50 CHARACTERS

ELTE - 10 CHARACTERS

ORNAMENTAL PLANTS

Amount of DURSBAN 1
in Water to Make

Pests Controlled 3 gals. 10 gals. 100 gals.

Aphids, Bagworms, 1 fl.oz. 3.2 fl.oz. 2 pints*
Eastern Tent cater-
pillar
Fall webworm,
Grasshoppers,
Mites, Orange-
striped oak-
worm
Spittlebugs,
Whiteflies,
Yellownecked
caterpillar

Cutworms, 2 fl.oz. 6.4 fl.oz. 2 quarts**
Leafhoppers,
Mealybugs,
Mimosa webworm,
Redhumped
caterpillar,
Thrips (exposed)

Ash borer, 4 fl.oz. 12.8 fl.oz. 4 quarts***
Bronze birch
borer, Dogwood
borer, Rhododendron
borer,
Scale Crawlers:
Oak lecanium
Pine needle
Tea
White peach

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Peach tree 11.6 fl.oz. 38.4 fl.oz. 12 quarts****
borer

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- *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.
- ****Equivalent to 3 pounds of chlorpyrifos per 100 gallons.

204 - 10 CHARACTER.
2076 - 00 CHARACTER.

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 1 Will Treat
	Dursban 1 (fl.oz.)	Chlorpyrifos lbs.	
Larval Control None to medium vegetative cover	1.6 to 3.2	0.025 to 0.05	160 to 80
Medium to heavy vegetative cover	3.2 to 6.4*	0.05 to 0.1*	80 to 40
Adult Control Light to medium vegetative cover	3.2	0.05	80
Medium to heavy vegetative cover	6.4	0.1	40

*The higher dosage will also give faster knockdown and longer residual control where there is little or no vegetative cover.

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STORAGE AND DISPOSAL

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

Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be

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disposed of according to applicable federal, state or local procedures.

FOR CHARACTERISTICS
SEE THE CHARACTERISTICS

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or dispose of in a sanitary landfill, or by incineration if allowed by state and local authorities.

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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FOR: AGWAY DURSBAN 1 INSECTICIDE

DATE: 7/14/82

((FRONT PANEL))

NET CONTENTS
8 oz., pt., qt., gal.

ACCEPTED
with COMMENTS
EPA Letter Dated:

8/15/82

NOV 15 1982

AGWAY

DURSBAN 1

INSECTICIDE

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for use as a
registered under EPA Reg. No.

695-6314

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

ACTIVE INGREDIENTS:

Chlorpyrifos [0,0-diethyl 0-(3,5,6- trichloro-2-pyridyl) phosphoro- thioate]	12.6%
Xylene Range Aromatic solvent	81.3%

INERT INGREDIENTS:	6.1%
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TOTAL	100.0%
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Contains 1 pound of chlorpyrifos per gallon.

Dursban is the registered trademark of The Dow
Chemical Co.

KEEP OUT OF REACH OF CHILDREN (12 pt.)

WARNING (18 pt.)

See additional precautionary statements on side
panel.

OK BY

AGWAY INC.
CHEMICAL DIVISION
BOX 4933
SYRACUSE, NY 13221

EPA Reg. No. 8590

EPA Est. No. 8590-PA-1

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FOR:

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((REAR PANEL))

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS

CAUSES EYE IRRITATION

HARMFUL IF SWALLOWED

Do Not Take Internally - Do Not Get in Eyes,
on Skin or Clothing - Wash Thoroughly After
Handling, Wash Contaminated Clothing Before Reuse -
Avoid Breathing Vapors and Spray Mist - Avoid
Spraying Food Crops - Keep Away From Food, Feed-
stuffs, and Domestic Water Supplies - Keep Con-
tainer Closed.

Handle Concentrate in a Ventilated Area

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Do not induce vomiting. Contains
aromatic petroleum solvent. Call a physician
immediately. If on Skin: In case of contact,
remove contaminated clothing and immediately wash
skin with plenty of soap and water. If in Eyes:
Flush eyes with plenty of water for at least 15
minutes. Call a physician.

Note to Physician: Chlorpyrifos is a cholines-
terase inhibitor. Treat symptomatically. Atro-
pine only by injection is an antidote.

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Physical or Chemical Hazards

Do Not Use or Store Near Heat or Open Flame.

ENVIRONMENTAL HAZARDS

DURSBAN 1 is toxic to fish, birds, and other wildlife. Do not apply directly to lakes, streams or ponds. Shrimp and crabs may be killed at application rates recommended on this label.

Do not apply where these are important resources.

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.

Apply this product only as specified on this label.

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

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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FOR: AGWAY DURSBAN 1 INSECTICIDE DATE: 7/14/82

PESTS INDOORS

General Information: Use DURSBAN 1 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 1 with water as shown in the following SPRAY DILUTION CHART. Repeat the treatment as needed.

SPRAY DILUTION CHART

Gallons of Spray Mixture Desired	Fluid Ounces* of DURSBAN 1 to Use	
	0.25% Spray	0.50% Spray

Water-base spray:

1	3	5 1/3
3	8	16
5	13 1/3	27
10	27	54

*Note: 1 fluid ounce = 2 tablespoonfuls = 6 teaspoonfuls.

NOTE: Where quick "knockdown" and/or "flushing action" is desired, dichlorvos (DDVP) or pyrethrins may be added to the spray mixture containing DURSBAN 1 Insecticide. Consult labeling for the

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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 1 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, 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 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 where the above pests have been seen or are suspected of hiding or entering. Apply only enough spray to thoroughly cover the surfaces treated using special care to avoid unnecessary runoff. Do not introduce the

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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 include crack and crevice treatment by applying small amounts of material directly into openings leading to voids and hollow spaces in walls and on and around equipment legs and bases of equipment. Equipment capable of delivering a pinstream 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 1 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.

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Application Within Residential Buildings Including Homes and Apartment Buildings and Within Non-food 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 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, under carpeting, rugs and furniture, in closets and on shelving, and wherever else these insects are seen or suspected.

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For control of fleas and 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. To control the source of flea infestation, pets inhabiting the treated premises should be treated with a product registered for application to animals.

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. Do not use in poultry houses or other animal buildings. Do not allow spray to contact food, feed-stuffs, 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 fishbowls (tanks)

0.5% DURSBAN 1

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before spraying.

PESTS OUT-OF-DOORS

General Information: Use DURSBAN 1 INSECTICIDE for control of certain pests on outside surfaces of buildings and on 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 on Outside Surfaces of Buildings: Use DURSBAN 1 at the rate of 5 1/3 fluid ounces per one gallon of water (0.5% chlorpyrifos emulsion) to control ants, clover mites, cockroaches, 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.

PCA - CHARACTER
DATE - CHARACTER

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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 the buildings, also the building foundation to a height of 2 to 3 feet, where pests are active and may find entrance. Use 2 pints of DURSBAN 1 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.

Pests of Lawns and other Ornamental and Recreational Turf Grass Areas: Use DURSBAN 1 to control pests listed in the following table by application at the recommended dosages and in accordance with the directions given below. Dilute DURSBAN 1 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.

Pests of Ornamentals: Use DURSBAN 1 insecticide to treat flowers, shrubs, vines, shade and flowering trees, and evergreens found to be infested with the pests listed in the following table.

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Dilute DURSBAN 1 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, camellias, poinsettias, rose bushes, or variegated ivy because of possible injury to these plants.

Dogwood Borer: Apply DURSBAN 1 to the trunks and lower limbs of dogwood trees when the adults begin to emerge. Consult your State Agricultural experimental Station or Extension Service specialist for proper time to treat in your area. Mix at the rate of one gallon of DURSBAN 1 in 100 gallons of water and apply uniformly on trees as a coarse, low-pressure spray.

Peach Tree Borer: Apply DURSBAN 1 to flowering trees and shrubs of the Genus Prunus in water as a trunk spray before newly hatched larvae enter the trees. Apply as a coarse, low-pressure spray.

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SHEET NO 11 - 19