

Pm-19

572-345

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ACCEPTED

NOV 30 1982

Under the Federal Insecticide, Fungicide, and Herbicide Act, as amended, for the pesticide registered under EPA Reg. No. 572-345

ROCKLAND

INSECT KILLER -I-
with DURSBA®

Controls Numerous Pests of Turf and Ornamental Plants. Also recommended for Area Control of Ticks and Chiggers.

ACTIVE INGREDIENT:

Chlorpyrifos [O,O-diethyl O-(3,5,6-Trichloro-2-pyridyl) phosphorothioate]....12.6%

*INERT INGREDIENTS.....87.4%

Registered Trade Mark of the Dow Chemical Co. 100.0%

Contains 1 pound chlorpyrifos per gallon.

* Contains xylene range aromatic solvent.

EPA Reg. No. 572-XXX

EST No. 572-NJ-1

KEEP OUT OF REACH OF CHILDREN

WARNING

See back panel for Additional Precautionary Statements

NET WEIGHT

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS: May cause irreversible eye damage. Harmful if swallowed. Harmful if absorbed through skin. May cause skin irritation. Do not get in eyes, on skin or clothing. Wear eye protection. Avoid breathing vapors and spray mist. Handle concentrate in a ventilated area. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Keep away from food, feedstuffs, and water supplies.

PHYSICAL OR CHEMICAL HAZARDS: COMBUSTIBLE: Do not use near heat or open flame.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to birds and wildlife, and extremely toxic to fish and aquatic organisms. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Cover or incorporate spills. Do not contaminate water by cleaning of equipment or disposal of waste. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

STATEMENT OF PRACTICAL TREATMENT:

IF SWALLOWED: Call a physician or Poison Control Center immediately. Do not induce vomiting. Contains an aromatic petroleum solvent. Do not give anything by mouth to an unconscious person. **IF ON SKIN:** Immediately wash with plenty of soap and water for 15 minutes. Get medical attention immediately. **IF INHALED:** Remove victim to fresh air if symptoms of cholinesterase inhibition appear and get medical attention immediately. **IF IN EYES:** Flush with plenty of water. Get Medical attention.

NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine, only by injection, is the preferable antidote. Oximes, such as 2-PAM/protopam, may be therapeutic if used early; however, use only in conjunction with atropine.

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DIRECTIONS FOR USE

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

PESTS OUT-OF-DOORS

GENERAL INFORMATION:: Use DURSBAN INSECT KILLER I 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 INSECT KILLER I 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.

NOTE: To help prevent infestation of building 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 INSECT KILLER I per 100 gallons of water and apply as a coarse spray at the rate of about 10 gallons spray mixture per 1000 sq. ft. to thoroughly and uniformly wet the

PESTS OF LAWNS AND OTHER ORNAMENTAL AND RECREATIONAL TURF GRASS AREAS:

Use DURSBAN INSECT KILLER I to control pests listed in the following table by application at the recommended dosages and in accordance with the directions given below. Dilute DURSBAN INSECT KILLER I 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.

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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 ON ORNAMENTALS: Use DURSBAN INSECT KILLER I 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 INSECT KILLER I 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 foilage, 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, pointsetias, rose bushes, or variegated ivy because of possible injury to these plants.

DOCWOOD BORER: Apply DURSBAN INSECT KILLER I to the trunks and lower limbs of dogwood trees when the adults begin to emerge. Consult your State Agricultural Experimental Station or Extention Service specialist for proper time to treat in your area. Mix at the rate of one gallon of DURSBAN INSECT KILLER I in 100 gallons of water and apply on trees as a coarse, low-pressure spray.

PEACH TREE BORER: Apply DURSBAN INSECT KILLER I 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. Thoroughly wet all bark areas from ground level to scaffold limbs. Consult your State Agricultural Experimental Station or Extention 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: 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 uninfested trees and to reduce beetle populations in disease-free areas, apply DURSBAN INSECT KILLER I as a 0.5% mixture of chlorpyrifos in water to the bottom 9 feet of 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. (Prevention of Branch and Twig Feeding on High Value Elm Trees). To reduce the twig and branch feeding on uninfested trees deemed to be high in value apply 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.

DOSAGES AND DIRECTIONS FOR USE ON TURF

PEST	DOSAGE DURSBAN INSECT KILLER I PER 1000 SQ. FT..	REMARKS
Ants, Armyworms, Brown dog tick, Chiggers, Chinch bugs, Clover Mite, Crickets, Cutworms, Earwigs, Fleas, Grasshoppers, Sod Webworms, Ticks	3+ fl. oz. (90 ml)	Spray when pests first appear, repeat when needed. For Sod webworms, delay watering or mowing the treated areas for 12-24 after treatment.
Turfgrass (Hyperodes) weevil	6 fl. oz. (180 ml)	Spray suspected problem areas in mid-May or as recommended by your local Agricultural Extension Service specialist in your area.
White Grubs (European Chafer and Japanese Beetle)	6 to 12 fl. oz. (180 to 360 ml)	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

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Bluegrass
Billbug

6 to 12 fl oz.
(180 to 360 ml)

Spray early on the season
when adults first appear.
Repeat as needed.

+ 1 1/2 fl.oz. per 1000 sq. ft.=7 1/2 fl.oz. per 5000 sq. ft.=1 pint per 10,700 sq. ft.=2 quarts per acre.

ATTENTION: Do not allow public use of treated areas during application or until spray has dried.

AREA CONTROL OF TICKS AND CHIGGERS: Use DURSBAN INSECT KILLER 1 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 INSECT KILLER in water at the rate of 2 pints per acre (equivalent to 1 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.

IMPORTED FIRE ANT: Treatment of potted, containerized and balled and burlapped nursery stock. Use DURSBAN INSECT KILLER 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 INSECT KILLER 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 as a drench diluted at the rate of 2 fl. oz. (60 ml) 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

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new mounds as they appear. Pressurized sprays may disturb the ants and cause migration, reducing product effectiveness.

DOSAGES AND DILUTIONS FOR USE ON ORNAMENTAL PLANTS

PEST CONTROLLED	AMOUNT OF DURSBAN INSECT KILLER I IN WATER TO MAKE	
	3 GALLONS	10 GALLONS
Aphids, Bagworms, Eastern tent caterpillar, Fall Webworm Grasshoppers, Mites, Orangestripped Oakworm, Spittlebugs, Whiteflies, Yellownecked caterpillar	1 fl. oz. (30 ml)	3.2 fl. oz. (9.6 ml)
Cutworms, Leafhoppers, Mealybugs, Mimosa webworm, Redhumped caterpillar, Thirps (exposed)	2. fl. oz. (60 ml)	6.4 fl. oz. (190 ml)
Ash borer, Lilac borer, Dogwood borer, Scale Crawlers, Oak Lecanium Fine Needle, Tea, White peach	4 fl. oz. (120 ml)	12.8 fl. oz. (380 ml)
Peach tree borer	11.6 fl. oz. (350 ml)	38.4 fl. oz. (1.15 L)

NOTE: 2 Tablespoons=1 fl. oz.

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

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State pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Wrap in several layers of newspaper and discard in trash.

Do not reuse empty container.

WARRANTY: Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling that is contrary to label instructions.

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