

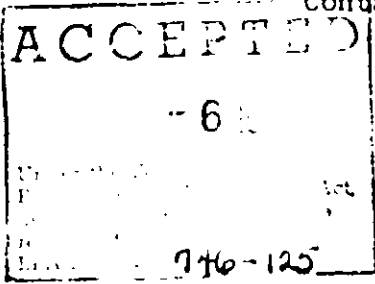
MFA
DURSBAN[®]
INSECTICIDE

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

ACTIVE INGREDIENT:

Chlorpyrifos [0,0-diethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate]	12.6%
INERT INGREDIENTS:	<u>87.4%</u>
Total	100.0%

DURSBAN[®] - Trademark of the Dow Chemical Co., U.S. Patent No. 3,244,586.
Contains 1 pound of chlorpyrifos per gallon.



KEEP OUT OF REACH OF CHILDREN (12 pt.)

WARNING (18 pt.)

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

WARNING

CAUSES EYE IRRITATION. HARMFUL IF SWALLOWED. Harmful if absorbed through skin. May cause skin irritation. Do not take internally. Do not get in eyes, on skin, or clothing. Avoid breathing vapors and spray mist. Handle concentrate in ventilated area. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Keep away from food, feedstuffs, and domestic water supplies.

STATEMENT OF PRACTICAL TREATMENT

- IF SWALLOWED - Call a physician immediately or Poison Control Center. Do not induce vomiting. Contains aromatic petroleum solvent.
- IF ON SKIN - Immediately wash with plenty of soap and water.
- IF IN EYES - Flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
- IF INHALED - Remove to fresh air. If symptoms of cholinesterase inhibition appear, 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/protopan, may be therapeutic if used early; however use only in conjunction with atropine.

COMBUSTIBLE. Do not use or store near heat or open flame.

Do not ship or store with food, feeds, drugs, or clothing.

Read attached booklet for complete precautions, directions for use, and storage and disposal instructions.

NET CONTENTS _____

EPA Reg. No. 746-XXX
EPA Est. 407-IA-1

Manufactured for
MFA OIL CO.
Columbia, MO 65201

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ENVIRONMENTAL HAZARDS

This product is toxic to birds and wildlife and extremely toxic to fish and other 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 and incorporate spills. Do not contaminate water by cleaning of equipment or disposal of wastes.

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.

Do not ship or store with food, feeds, drugs, or clothing.

PHYSICAL OR CHEMICAL HAZARDS

COMBUSTIBLE. Do not use or store near heat or open flame. Do not cut or weld container.

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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.

STORAGE AND DISPOSAL

STORAGE: Store in original container, in a cool, dry, secure area away from fertilizer; food, or feed. Keep container closed.

PRODUCT DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Do not reuse bottle. Rinse thoroughly before discarding in trash.

PESTS OUT-OF-DOORS

GENERAL INFORMATION: Use this product for control of certain pests on outside surfaces of building 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 this product at the rate of 5-1/3 oz. 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 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 this product 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 band area.

PESTS OF LAWNS AND OTHER ORNAMENTAL AND RECREATIONAL TURF GRASS AREAS: Use this product to control pests listed in the following table by application at the recommended dosages and in accordance with the directions given below. Dilute this product 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 this product to treat flowers, shrubs, vines, shade and flowering trees, and evergreens found to be infested with the pests listed in the following table. Dilute this product 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 this product 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 this product in 100 gallons of water and apply uniformly on trees as a coarse, low-pressure spray.

PEACH TREE BORER: Apply this product 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 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 this product 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. 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 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 this product 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 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.

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 this product to control imported fire ants in soil attached to roots of these plants by completely submerging the ball of soil in a tank containing this product 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 this product as a drench diluted at the rate of 2 fl. oz. 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.

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DOSAGES AND DIRECTIONS FOR USE ON TURF

<u>Pest</u>	<u>Dosage of Product Per 1000 sq. ft.</u>	<u>Remarks</u>
Ants, Armyworms, Ticks, Brown Dog Tick, Chiggers, Chinch bugs, Clover mite, Crickets, Cutworms, Earwigs, Fleas, Grass- hoppers, Sod Webworms	3 fl. oz. (90 ml.)	Spray when pests first appear; re- treat when needed. For sod webworm delay watering or mowing the treated areas for 12 to 24 hours after treatment.
Turfgrass weevil (Hyperodes)	6 fl. oz. (180 ml.)	Spray suspected problem areas in mid-April and again in mid-May or as recommended by your local Agricultural Extension Service specialist for your area.
White grubs (European chafer and Japanese Beetle larvae only)	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 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. (180 to 360 ml.)	Spray early in the season when adults first appear. Retreat 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.

DOSAGES AND DILUTIONS FOR USE ON ORNAMENTAL PLANTS

<u>Pests Controlled</u>	<u>Amount of DURSBAN in Water to Make</u>	
	<u>3 gallons</u>	<u>10 gallons</u>
Aphids, Bagworms, Eastern tent caterpillar, Fall webworm, Grasshoppers, Mites, Orangestriped oakworm, Spittlebugs, Whiteflies, Yellownecked caterpillar	1 fl. oz. (30 ml.)	3.2 fl. oz. (96 ml.)
Cutworms, Leafhoppers, Mealybugs, Mimosa webworm, Redhumped caterpillar, Thrips (exposed)	2 fl. oz. (60 ml.)	6.4 fl. oz. (190 ml.)
Ash borer, Lilac borer, Dogwood borer, Scale crawlers: Oak lecanium, Pine 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.

NOTICE: Buyer assumes all risk of use, storage, and handling of this product when not in strict accordance with directions given herewith.