

3442-784

PM-12

10/20/89

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EPA
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Not Reviewed. Registrant claims to be in accordance with
Registration of Pesticide Product Guidance for Phase 2
Reciprocity, Page 2-13, Active to Inert Change in Status.

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

DIRECTIONS FOR USE

ZOYSA LAWNS: Check Bug damage appears as a yellowing and final browning. The bug sucks the plant juices from the grass blades and eventually plants die. The turf should be free of thatch. Mow to 1 inch height and the clippings removed before spraying. Preventative sprays may be applied starting May 1st, repeated at June 15th and finally on August 1st. If damage occurs in unsprayed areas treat immediately and plan on a second treatment within 30 to 45 days.

Use Rate & Dilution Table for Ornamental Turf

Area Sq. Ft.	Amt. Chemical	Use Hose-End Sprayer, Dilute with water to give
1,000 sq. ft.	3 tbsp.	3-6 gals.
5,000 sq. ft.	15 tbsp.	15-30 gals.
10,500 sq. ft.	1 pint	30-60 gals.

Small 1 1/2 and 3 gallon pressure sprayers are not well adapted for this treatment.

BLUEGRASS LAWNS: Lod Webworms are capable of destroying large areas of turf. New worms appear in late April and early May with successive generations hatching each month through August. For this reason, it is wise to plan on 3 applications spaced 30 to 45 days apart starting May 1st. Apply to the turf early or late in the day when worms are active. This rate spray will also control any armyworms, cutworms or grasshoppers present.

Before spraying, turf should be free of troublesome thatch which encourages insects. Risk: the area and remove the debris to expose insect hiding places. Water the lawn and cut to a height of 2 to 2 1/2 inches.

PESTS OF ORNAMENTALS: Use DURSABAN insecticide to control bagworms, cutworms, grasshoppers, leafhoppers, mealybugs, mites, spiderbugs, thrips (exposed), and whiteflies on flowers, shrubs, vines, shade and flowering trees and evergreens found to be infested with these pests. Dilute DURSABAN insecticide with water according to following directions and apply using suitable hand or power spray equipment in a manner to provide complete and uniform coverage of infested plants. Avoid over-spraying to the point of excessive runoff. Treat when pests appear and repeat at 7 to 10 days intervals, if needed. NOTE: Do not use on azaleas, camellias, poinsettias, rose bushes or variegated ivy because of possible injury to these plants.

To control bagworms, grasshoppers, mites, spiderbugs, whiteflies use 1 tbsp. in 3 gallons water or 1 pint in 100 gallons of water. For cutworms, mealybugs, leafhoppers, thrips (exposed) use 2 tbsp. per 3 gallons or 1 qt. in 100 gallons.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING: Keep children and pets off treated areas until spray has dried. May be fatal if swallowed. May be absorbed through the skin. May be poisonous to eyes or if skin. Combustible liquid.

Do not take internally. Do not get in eyes or on skin. Do not smoke while using. Wash thoroughly after handling. Wash contaminated clothing before re-use. Flush contaminated eyes with plenty of water and get medical attention. Avoid breathing spray mist or vapors. Do not spray vegetable gardens or other plants used for food purposes.

PHYSICAL AND CHEMICAL HAZARDS

Keep container closed. KEEP AWAY FROM OPEN FLAME. Handle concentrate in a ventilated area.

NOTE TO PHYSICIAN: Chlorthrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote. 2-PAM is also antidotal and may be administered in conjunction with atropine.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and wildlife. Keep out of any body of water. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from area treated. Apply this product only as specified on this label.

STORAGE AND DISPOSAL

Do not contaminate water by cleaning of equipment or disposal of wastes. Keep away from food, feedstuffs, and domestic water supplies. After use promptly crush empty container and bury them and washes in localities away from domestic water supplies. Do not reuse empty container. Wrap in newspaper and put in trash collection.

This product is highly toxic to bees exposed to direct treatment or residues, and bees. Protective information may be obtained from your Cooperative Extension Agent or local Extension Service.

NOTE: Buyer assumes all risk and liability of use, coverage and/or handling of material in accordance with the terms of this label.

Contents 1 Gallon

VERTAGREEN

DURSABAN INSECTICIDE

— CONTROLS —

Chinch Bugs, Sod Webworms, (Lawn Moth),
Bagworms, Cutworms, Grasshoppers

INDOOR PEST CONTROL

Keep Out of Reach of Children.

WARNING

See Side Panel for Additional Caution Statements

ACTIVE INGREDIENTS	
Chlorthrifos 80-0-dimethyl 8-(3,5,6-trichloro-2-pyridyl) phosphorothioate	22.40%
INERT INGREDIENTS	
Total	77.60%
	100.00%

Contains 2 pounds of chlorthrifos per gallon

DURSABAN Trademark of The Dow Chemical Company
U.S. Patent No. 3,744,588

E.P.A. Reg. No. 3442-784

USE DIRECTIONS PESTS INDOORS

GENERAL INFORMATION: Use to control the pests indicated in the areas listed below by application as a 0.25% or 5% chlorthrifos (Dursban) 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 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

Gallons of Spray Mixture Desired Water-base spray	Fluid Ounces of Dursban to Use	
	0.25% spray	0.5% spray
1	1 1/2	2 1/2
3	4 1/2	8 1/2
5	6 1/2	13 1/2
10	13 1/2	27 1/2
Oil-base spray #	1	2
3	3	6
5	5	10
10	10	21

Note: 1 fluid ounce = 2 tablespoonfuls = 8 teaspoonfuls
Calculated on basis of deodorized kerosene

Note: Where quick knockdown and/or "flushing action" is desired, dichlorvos (DDVP) or pyrethrin may be added to the spray mixture. For best results, use dichlorvos at a concentration of 0.25% in both water and oil-base sprays. Consult labeling for the dichlorvos or pyrethrin 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 in combination with dichlorvos (DDVP) or pyrethrin 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) including But Not Limited To, Restaurants, Grocery Stores, Bakeries, Bottling Plants, Canned Food and Grain Mills: Use a spot treatment to control cockroaches (including strains resistant to certain other insecticides), ants, crickets, beetles, silverfish and spiders in and around both food and non-food areas by application 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 along special care to avoid unnecessary runoff. Do not introduce 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, refrigerators and similar food preparation areas and equipment, floor drains, and around plumbing and other utility installations. For ants apply to ant trails and wherever they pass may find entrance. Spot treatment may enclose cracks and crevices by applying small amounts of material directly into openings leading to voids and hollow spaces in walls, equipment legs, bases, or which occur at joints between different elements of construction or between equipment and floors. Equipment capable of delivering a stream 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) DURSABAN 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.

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, silverfish, beetles, silverfish, and spiders are found or normally occur or excluding dark corners of rooms and closets, cracks and crevices in walls, along and behind baseboards, beneath sofas, 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 silverfish 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 skirting, 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 of infested areas such as pet beds and resting quarters, nearby cracks and crevices, along and behind baseboards, window and door frames and fixtures, 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 electric equipment because of possible shock hazard. If there is need to treat such areas use only oil-base sprays. Do not apply around emergency electrical equipment. After application allow time for oil to evaporate before starting motors or plugging switches in the (ON) position. Do not use in quality houses or other animal buildings. Do not allow spray to contact bird, 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 other fish, birds, felines before spraying.