

Label Copy
DURSBAN[®] 4E
July 1, 1969
August 29, 1969 (revised)



DURSBAN[®] 4E
Emulsifiable Insecticide

WARNING: KEEP OUT OF REACH OF CHILDREN
Read Complete Precautions on side panel

In proper
type size

Controls Mosquitoes, Cockroaches, Chinch Bugs, and Sod Web-
worms (lawn moths).

To Be Applied Only by Trained Personnel of Public Health
Organizations, Mosquito Abatement Districts, Public Mosquito
Control Programs and Professional Pest Control Operations.

ACTIVE INGREDIENTS:

O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate	40.8%
Aromatic petroleum derivative solvent	24.5%

INERT INGREDIENTS: 34.7%

Contains 4 pounds of DURSBAN Insecticide per gallon.

U.S.D.A. Registration No. 464-360

ACCUMULATED

464-360
U.S. DEPARTMENT OF AGRICULTURE
REGISTERED
TO ALLIED CHEMICAL COMPANY

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USE DIRECTIONS

General Information: DURSBAN 4E emulsifiable insecticide mixes readily with water or oil, such as kerosene or No. 2 fuel oil. Spray mixtures containing DURSBAN 4E may be applied to non-crop areas, using application equipment such as hand and power ground sprayers, mist applicators and aerial spray equipment suitable to obtain uniform treatment of the infested areas. Note: Do not use in poultry houses, ~~other animal buildings or in the edible products areas of~~ food storage or processing plants.

MOSQUITOES: Apply DURSBAN 4E emulsifiable insecticide in the amount of water or oil required to give uniform coverage of mosquito infested non-crop areas according to conditions and rates shown in the following table.

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 4E Will Treat
	DURSBAN 4E (fluid ounces)	Active Chemical (pounds)	
<u>Larval Control</u>			
None to medium vegetative cover	0.4 to 0.8	0.0125 to 0.025	320 to 160
Medium to heavy vegetative cover	0.8 to 1.6*	0.025 to 0.0 *	160 to 80
<u>Adult Control</u>			
Light to medium vegetative cover	0.8	0.025	160
Medium to heavy vegetative cover	1.6*	0.05*	80

*The higher dosage will also give faster knockdown and longer residual control where there is little or no vegetative cover. Under such conditions this dosage should be used only where there are no fish or crustaceans or where loss of fish, crustaceans or lower components of the food chain would not be significant.

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Caution: DURSBAN 4E is toxic to shrimp, crabs and fish. Do not apply to water containing valuable crustaceans and fish. Consult your State Fish and Game Department before using this product for mosquito control. ~~over large areas.~~

COCKROACHES: DURSBAN 4E emulsifiable insecticide controls both non-resistant and resistant cockroaches in and around residential and commercial buildings including homes, apartment buildings, stores, warehouses and similar structures. Dilute the required amount of DURSBAN 4E in water or deodorized kerosene to obtain the desired concentrations as outlined in the following table.

Dilution Rates to Use to Control Cockroaches

Gallons of Spray Mixture Desired	Fluid Ounces* of DURSBAN 4E to Use	
	For 0.25% spray	for 0.50% spray
<u>For water-base spray:</u>		
1	2/3	1 1/3
3	2	4
5	3 1/3	6 2/3
10	6 2/3	13 1/3
<u>For oil-base spray**:</u>		
1	1/2	1
3	1 1/2	3
5	2 1/2	5
10	5	10 1/2

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

**Calculated on basis of deodorized kerosene

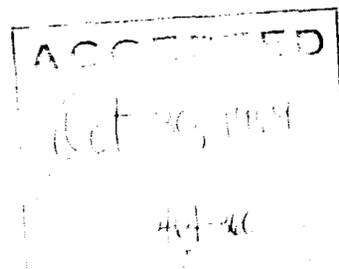
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Use the lower concentration (0.25%) to control light cockroach infestations and the higher concentration (0.50%) to quickly reduce heavy cockroach infestations. A period of 4 to 7 days after treatment is normally required for maximum effect on cockroaches.

Apply as a spot treatment with a paint brush or as a coarse spray to areas where cockroaches normally are found. These areas include dark corners of rooms and closets, at the base of walls, in cracks in the wall, behind baseboards, behind and beneath sinks, refrigerators, stoves and cabinets and around drain pipes. Apply in a manner to avoid spray or mist contacting food, feedstuff and water supplies. Dishes and food handling utensils should be thoroughly washed in soap and water if they have become contaminated by the application of this product. Repeat treatment as needed.

Caution: Do not use in poultry houses, other animal buildings or in edible product areas of food storage or processing plants. Use of DURSBAN 4E in residential and commercial buildings is limited to spot treatment for control of cockroaches.



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CHINCH BUGS AND SOD WEBWORMS (Lawn Moths): Apply sprays containing DURSBAN 4E uniformly over yard or other ornamental turf with sprayer according to the rates indicated in the ~~accompanying~~ following table.

Use Rate and Dilution Table for Use on Turf

Area to be Treated	Amount of DURSBAN 4E	Dilute with Water to Give
1,000 sq. ft.	3/4 fl. oz.	30 gallons
5,000 sq. ft.	3 3/4 fl. oz.	150 gallons
10,700 sq. ft.	1/2 pint	325 gallons
One acre	1 quart	1300 gallons

Make first treatment when the insects first appear and re-treat as needed. The lawn should be moist at the time of application.

CAUTION: Keep children and pets off treated areas until the spray has dried. Keep out of fish ponds and other bodies of water.

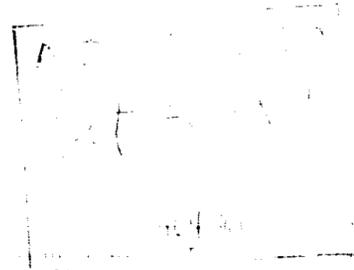
USE PRECAUTIONS

DURSBAN 4E emulsifiable insecticide is toxic to shrimp, crabs, and fish. Do not apply to water containing valuable crustaceans and fish.

This product is toxic to fish and wildlife. Birds feeding on treated areas may be killed. Keep out of any body of water. Apply this product only as specified on this label.

Do not contaminate water by cleaning of equipment or disposal of wastes. Promptly crush empty containers and bury them and wastes in locations away from domestic water supplies.

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WARNING

KEEP OUT OF REACH OF CHILDREN
MAY BE FATAL IF SWALLOWED
MAY BE ABSORBED THROUGH SKIN
MAY BE INJURIOUS TO THE EYES AND SKIN
COMBUSTIBLE LIQUID

Do not get in eyes or on skin. 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. Avoid spraying food crops. Keep away from food, feedstuffs, and domestic water supplies. Keep container closed, keep away from heat and open flame. Handle concentrate in a ventilated area.

Note to physician: Active ingredient is a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

Contents _____ Lot _____

U.S. Patent No. 3,244,586

THE DOW CHEMICAL COMPANY

Midland, Michigan 48640