

CONFIDENTIAL
DOW CHEMICAL COMPANY
MILWAUKEE, WISCONSIN
REGISTERED WITH THE EPA

ORTHO-KLOR[®] SOIL INSECT & TERMITE KILLER

CONTAINS: DURSBAN SOIL INSECTICIDE
EFFECTIVE CHLORDANE REPLACEMENT

CONTROLS: Ants, Subterranean Termites, Powder Post Beetles, Crickets, Chinch Bugs, Wood Borers, Carpenter Ants, Grubs, Cutworms, Fleas, Armyworms, Ticks, Mosquitoes, Grasshoppers, Fire Ants, Sod Webworms and many other soil insects and home invading pests.

FOR USE: Around foundations, outside buildings, on lawns, under shrubs, on woodpiles, stored lumber, fence posts and other structures made of wood.

Active Ingredients	By Wt.
chlorpyrifos * [O,O-diethyl O-(3,5,6-Trichloro-2-pyridyl)phosphorothioate].....	12.6%
Inert Ingredients.....	87.4%

This product contains aromatic petroleum solvent.

*DURSBAN[®] -Reg. TM. of Dow Chemical Company
for Chlorpyrifos Insecticide

Keep out of reach of children *10 pt*

WARNING *14 pt*

See back panel for additional precautionary statements.

NET CONTENTS 1/2 GALLON

ACCEPTED
WITH COMMENTS
BY EPA Letter Date
APR 13 1984
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended by FIFRA, EPC Act No.
7-2

BACK PANEL

PRECAUTIONARY STATEMENTS *10 pt*

HAZARDS TO HUMANS & DOMESTIC ANIMALS *10 pt*

10 pt **WARNING:** Causes eye irritation. Harmful if swallowed. Do not get in eyes, on skin or clothing. Avoid breathing vapors and spray mist. Handle concentrate in ventilated area. Wash thoroughly after handling and before eating or smoking. Do not wear contaminated clothing or shoes. Keep away from food, feeds, stuffs and domestic water supplies.

Keep children and pets out of treated areas until these areas are dry.

10 pt **STATEMENT OF PRACTICAL TREATMENT - If swallowed:** DO NOT make person vomit. Call a doctor immediately. **If on skin:** In case of contact, remove contaminated clothing and immediately wash skin with soap and water. **If in eyes:** Flush eyes with plenty of water. Call a physician and get prompt medical attention.

Note To Physicians: Emergency Informaton - call (415) 233-3737. This product contains an aromatic petroleum solvent and may present an aspiration problem. Chlorpyrifos is a cholinesterase inhibitor. If signs and symptoms of cholinesterase inhibition develop, atropine by injection is antidotal; 2-PAM may also be given in conjunction with atropine, but should never be used alone.

10 pt **ENVIRONMENTAL HAZARDS:** This product is toxic to fish, birds and other wildlife. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

10 pt **PHYSICAL AND CHEMICAL HAZARDS:** Do not use or store near heat or open flame.

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

DIRECTIONS

GENERAL: ORTHO-KLOR[®] Soil Insect & Termite Killer is particularly useful for prevention and control of ants, termites and certain wood destroying insects. For termites, the chemical solution should be adequately dispersed in the soil to provide a lethal barrier between the wood in the structure and termite colonies in the soil. It can also be used for treatment of localized areas of wooden structures, firewood piles and stored lumber to control wood infesting borers, carpenter ants and carpenter bees. In addition, this product controls many common pests in lawns and other outdoor areas around the home. Make new dilution for each use.

SHAKE WELL BEFORE USING

FOR TERMITES (Outdoors): Remove all wood debris and wood forms. Determine the extent of termite infestation. For prevention and light infestation, treat soil adjacent to both sides of infested foundation, pipes or piers by digging a trench six inches wide and six inches deep (or down to the top of the footing whichever is less). Avoid contamination of public and private water supplies by following these precautions. Do not allow a hose or any type of faucet extension to reach into the termite chemical solution while filling or mixing this material with water. Use antibackflow or anti-siphonage equipment on all filling equipment. These devices can be purchased at hardware or plumbing supply stores. Use of antibackflow equipment will help insure that the user of this toxic chemical will not contaminate domestic water supplies. Refer to FHA (Federal Housing Administration), state, and local specifications for safe distances of treatment areas from wells. Soil in the vicinity of wells, cisterns or ponds should not be treated. Do not treat structures that contain cisterns or wells. **Note:** When conditions will not permit trenching, surface application adjacent to interior foundation walls may be made but the treated strip should not exceed 18" in width. Apply solution with a sprinkling can. Mix 5-1/3 fl. oz. per gallon of water and treat 2-1/2 linear feet of trench or foundation (one half gallon of ORTHO-KLOR[®] Soil Insect & Termite Killer will make 12 gallons of diluted solution and treat 30 linear feet).

Mix solution into soil as it is replaced in the trench. Cover treated soil with a layer of untreated soil. Be sure to treat the interiors of accessible hollow block foundations at same rate as above. Be careful to have adequate ventilation when treating areas under structure. For severe infestations or treatment under slabs, in basements and buildings with insufficient crawl space, etc., contact a licensed pest control operator or termite control service.

Retreatment for subterranean termites should only be made when there is evidence of reinfestation subsequent to the initial treatment, or there has been a disruption of the chemical barrier in the soil due to construction, excavation, landscaping, etc. Reapplication should be made as a spot treatment to those areas.

Annual retreatment of the entire premises must be avoided.

TREATMENT FOR WOOD DESTROYING PESTS (Outdoors): (Powder Post Beetles, Furniture Beetles, Deathwatch Beetles, Round-headed House Borers, Carpenter Ants, Carpenter Bees). Treat localized areas of infested wood. With a paint brush, use 2-1/2 TBS. (Tablespoonfuls) per quart of water. Apply emulsion evenly on wood surfaces. Allow to dry and repeat treatment to ensure penetration.

For wood piles and stored lumber apply 5-1/3 fl. oz. per gallon of water. Use a sprinkling can or ORTHO Lawn Sprayer to deliver a coarse drenching spray. Do not use in structures occupied by animals, to be used for food purposes or which produce products for human consumption.

FENCE POST - TERMITE PREVENTION: Apply one gallon of diluted ORTHO-KLOR[®] Soil Insect & Termite Killer per post hole. Pour one half of solution into hole and add the remaining 1/2 gallons diluted solution to the soil when filling the hole so that all the fill soil is treated to form a protective barrier.

NOTE: Do not treat structures that contain cisterns or wells. Do not treat soil that is water saturated or frozen. Consult state and local specifications for recommended distances of treatment from well.

HOME INVADING PESTS (Outside Dwellings): Ants, Fleas, Ticks, Earwigs, Crickets, Sowbugs (Pillbugs), Millipedes - For best results, apply with an ORTHO Lawn Sprayer. Use 1-3/4 fl. oz. in 15 gallons to treat 500 sq. ft. **Note:** One half Tablespoonful in 2 gallons water covers 66 sq. feet. To help prevent infestations of buildings, treat a band of

soil 6-10 feet wide around and adjacent to the building, also the building's foundation to a height of 2-3 feet when pests are active and use that entrance. Do not treat pets with this product.

IMPORTED FIRE ANT MOUNDS: Mix 2 TBS. (tablespoonful) per gallon of solution to each individual mound, using a sprayer can. Thoroughly wet mound and treat a 9 foot diameter circle around the mound. For best results, apply in cool weather or in early morning or late afternoon. Treat new mounds as they appear.

LAWN PESTS: Armyworm, Lawn Moth Larvae (Sod Webworms), Dichondra Flea Beetles, Chinchbugs, Cutworms, European Crane Fly (Larvae), Fiery Skipper Larvae (California and Hawaii only), Tropical Grass Webworms (Hawaii only), Grasshoppers, Crickets, Chiggers, Clover Mites, Earwigs, Fleas - For best results, apply with an ORTHO Lawn Sprayer, mix 1-3/4 fl. oz. in 15 gallons water to treat 500 sq. ft. of lawn.

Mow lawn and water well 1-2 days before treatment. Heavy watering should be withheld for 2-3 days following treatment. Spray when pests first appear. Treat entire lawn. Do not attempt to control lawn pests by spot spraying. Repeat treatments may be necessary at 4-6 week intervals. Sprays are most effective if applied during 2 hour period prior to darkness when lawn insects become active. For European Crane Fly control, consult your local Agricultural Extension Service for proper timing of application for your area.

WHITE GRUBS IN LAWNS: (Larvae of European Chaffer and Japanese Beetle) - Mix 6-1/2 fl. oz. in 15 gallons water to treat 500 sq. ft. For best results use an ORTHO Lawn Sprayer. Treat entire lawn. Do not attempt to control lawn pests by spot spraying. Water lawn thoroughly following application to wash the insecticide into the soil. Treat lawn when grubs are young and actively feeding near the soil surface, usually during late July and August. Consult your local Agricultural Extension Service Specialist for proper time to treat in your area.

U.S. ENVIRONMENTAL PROTECTION AGENCY NOTICE OF PESTICIDE	REGISTRATION NO. 	DATE OF ISSUANCE
AMENDMENTS 		
<p>NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.</p>		
<p>On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.</p>		
<p>A copy of the labeling submitted in connection with this Registration/Reregistration is returned herewith.</p>		
<p>Registration is in no way to be construed as an endorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p>		
<input type="checkbox"/> AMENDMENTS APPLICABLE		
SIGNATURE	DATE	

3. Submit five (5) copies of your final printed labeling to EPA before you release the product for shipment. Refer to the 1-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Jay S. Ellenberger
Product Manager (12)
Insecticide-Rodenticide Branch
Registration Division (75-767)

Enclosures

RD/IPB:DCR-29498;Ellenberger;KJM:4/11/84;Paven:557-2226;RD-19;Del.4/23/84