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7401-416

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Michael A. Jackson  
Voluntary Purchasing Groups, Inc.  
P.O. Box 460  
Bonham, Texas 75418

JUL 20 1999

Dear Mr. Jackson:

Subject: Labeling Amendment  
Hi-Yield Termite & Soil Insect Killer  
EPA Registration No. 7401-416  
Your application dated 14 April 1999

The labeling amendment referred to above submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, has been received and reviewed and the labeling is acceptable subject to the comment listed below. Please submit three (3) copies of your final printed labeling incorporating the change prior to releasing your product for shipment. A stamped accepted with comments copy is enclosed for your records.

Update your "Environmental Hazards Statement" to read "Do not contaminate water when disposing of equipment washwaters".

Sincerely,

Leonard Cole  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

Enclosure

2076

[FRONT LABEL PANEL]

**ACCEPTED**  
**with COMMENTS**  
**In EPA Letter Dated:**  
**JUL 20 1999**

**Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.**  
7401-416

**Hi-Yield®**

**Termite  
& Soil Insect Killer**

- Contains Dursban® Brand Insecticide
- Kills Existing Termites and Prevents New Infestations
- Kills Soil Insects in Lawns and Other Ornamental Turf Areas
- Controls Lawn and Other Nuisance Pests
- Kills Lawn Insects
- Helps Keep Your Lawn Healthy - Controls Insects that can Cause Unsightly Brown Spots & Dead Grass
- Controls Wood Infesting Beetles

**Active Ingredients:**

Chlorpyrifos [0,0-diethyl 0-(3,5,6-trichloro-2-pyridyl)  
phosphorothioate] ..... 12.6%

**Inert Ingredients\*:** ..... 87.4%

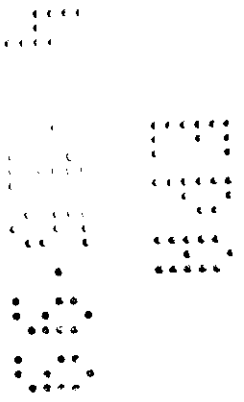
**Total:** ..... 100.0%

\*Contains xylene range aromatic solvent

**Keep Out Of Reach Of Children**

**WARNING**

**See (back/side) panel for additional precautionary statements**



[BACK/SIDE LABEL PANEL]

**DIRECTIONS FOR USE**

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

Hi-Yield® Termite & Soil Insect Killer kills existing termites and prevents new infestations by forming a protective barrier around your home. In addition, this product controls many pests common in lawn and ornamental areas. When used as directed, it helps lawns stay vigorous, healthy and green by controlling certain insects that cause turf damage.

**FOR CONTROL OF SUBTERRANEAN TERMITES - OUTDOORS:** For prevention of subterranean termite infestations. This product is for outdoor, homeowner post-construction use only. Do not use inside dwellings. DO NOT use under slabs, in crawl spaces or indoors. If termites are found within the house or structure, contact a licensed pest control operator for treatment.

**Mixing and Application Rate Instructions for Subterranean Termites**

**Use a Sprinkling Can:** Mix 5 1/3 fl.oz. of this product to 1 gallon of water to cover 2 1/2 linear feet (1 quart of product in 6 gallons of water to cover 15 linear feet).

Remove all wood debris and wood forms. For poured concrete foundations, dig a trench 6 inches wide and 4 inches deep (or down to the top of the footing, whichever is less). For brick and block foundations, dig the trench 6 inches wide and 12 inches deep. NEVER DIG BELOW THE TOP OF THE FOOTING. Mix the diluted product with soil as the soil is replaced in the trench.

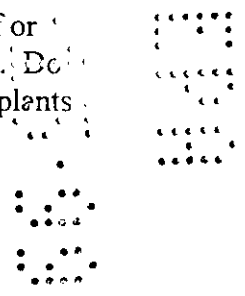
For Fence posts (except in Rhode Island), pour 1/2 gallon of the diluted product into each fence post hole and add an additional 1/2 gallon of diluted product to the soil used to fill-in around the fence post. This will create a protective barrier.

**RETREATMENT RESTRICTIONS:**

1. 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, excavations, landscaping etc.
2. Retreatments may be made to critical areas in accordance with the application techniques described above. This application should be made as a spot treatment to these areas. Annual retreatment of the entire premises must be avoided.

**IMPORTANT:** Do not treat structures that contain cisterns or wells. Soils in the vicinity of wells, cisterns or ponds should not be treated. For such situations or for treatment of basements, inaccessible crawl spaces or other indoor areas, contact the Agricultural Extension Service for advice or contact a commercial pest control operator.

Do not treat soil that is water saturated or frozen or in any conditions where run-off or movement from the treatment area is like to occur. Do not apply while it is raining. Do not use on pets. Do not use on edible or ornamental plants. Spray drift onto these plants should be immediately rinsed off with water.



[BACK/SIDE LABEL PANEL]

**FOR CONTROL OF CARPENTER ANTS AND WOOD INFESTING BEETLES  
(Furniture Beetles, Round-headed House Borers, Powder Post Beetles) -  
OUTDOORS:**

<b>Mixing Instructions</b>
<b>Amount to Use - Wood Treatment:</b> Mix 5 1/3 fl.oz. of this product to 1 gallon of water. <b>Perimeter Treatment:</b> Use 2 tsp. per 1 gallon of water.

**Wood Treatment:** For outdoor wood surfaces of buildings and fences, apply evenly to wood surfaces with a paint brush at the rate indicated above. Allow to dry thoroughly and repeat treatment to ensure the product soaks into the wood.

**Wood Piles & Stored Lumber:** Use a hose-end sprayer, tank sprayer or sprinkling can to deliver a coarse drenching spray. Treated wood cannot be burned or used for building until 1-month after treatment.

**Perimeter Treatment:** To keep insects from entering the house, use a hose-end or tank type sprayer to spray a 3-foot band of soil around the house next to the foundation. Also, spray the foundation to a height of 2 feet. Apply at a rate of 3 gallons of spray solution to cover 60 linear feet. Spray drift onto ornamental plants should be immediately rinsed off with water.

**TO CONTROL LAWN AND ORNAMENTAL TURF PESTS:** [Sod webworms, Clover mites, Chiggers, Armyworms, Brown dog ticks, Crickets, Grasshoppers, Chinch bugs, Fleas, Cutworms, Earwigs, Dichondra flea beetles and European crane fly (larvae)] - Mix 3 fl. oz. in a sufficient amount of water (25 gallons) to obtain a complete and uniform coverage of 1,000 sq. ft. of turf area. Spray when pests first appear and retreat as necessary. Apply as a course spray using a hose-end sprayer. After application, thoroughly water treated area to wash insecticide into the turf. \*For Sod Webworms, delay watering or mowing the treated area for 12 to 24 hours after treatment.

**TO CONTROL WHITE GRUBS:** European Chafer (larvae), Japanese Beetle (larvae), and Mole Crickets - Mix 6 fl. oz. in a sufficient amount of water (25 gallons) to obtain a complete and uniform coverage of 1,000 sq. ft. of turf area. Apply as a coarse, low pressure spray using suitable spray equipment such as a hose-end sprayer. For best results, apply in June, July or August when these insects are young and actively feeding or as recommended by your local Agricultural Extension Service. Immediately after spraying, thoroughly water the treated area with 1/2 to 1 inch of water to wash the insecticide into the soil. Lawn should be moist before treatment.

**TO CONTROL HOME INVADING PESTS:** (Outside Dwellings) (Ants, Crickets, Earwigs, Ticks, Fleas, Sowbugs, Millipedes, Cockroaches and Spiders). Mix 11 fl. oz. of this product in 2 gallons of water. Apply to a band of soil 6 to 10 feet wide around and adjacent to the building, also the building foundation to a height of 2 to 3 feet, where pests are active and may find entrance. Spray drift onto ornamental plants should be immediately rinsed off with water.

**[BACK/SIDE LABEL PANEL]**

**TO CONTROL IMPORTED FIRE ANTS:** Mix 2 fl. oz. in 2 gallons of water. Using a sprinkler can, gently sprinkle 1 gallon of solution over the mound then thoroughly wet surrounding area to a 4 ft. diameter. For best results apply in cool weather, 65-80° F, or in early morning or late evening hours. Treat new mounds as they appear.

**STORAGE:** Store in original container and place in a locked storage area away from children and pets. Do not store near heat or open flame.  
**DISPOSAL:** Do not reuse container. Rinse thoroughly and securely wrap in several layers of newspaper and discard in trash.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS & DOMESTIC ANIMALS  
WARNING**

Causes substantial but temporary eye injury. Harmful if swallowed or inhaled. Do not get in eyes, on skin or clothing. Avoid breathing vapors or spray mist. Handle concentrate in well ventilated areas. Wear long-sleeved shirt, long pants, socks, shoes, rubber gloves and safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated clothing and launder before reuse. People and pets may enter treated areas only after application has dried thoroughly.

**STATEMENT OF PRACTICAL TREATMENT**

**If Swallowed:** Call a doctor or get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person. Drink promptly a large quantity of milk, eggwhites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. **If Inhaled:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention. **If on Skin:** Wash with plenty of soap and water. Get medical attention if irritation persists. **If in Eyes:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

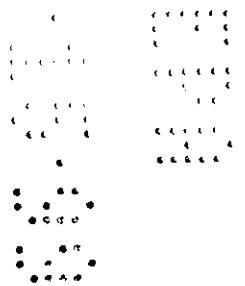
**NOTE TO PHYSICIAN:** Chlorpyrifos is a cholinesterase inhibitor. If signs and symptoms of cholinesterase inhibition develop, atropine by injection is antidotal; 2-PAM may also be given in conjunction with atropine, but only in conjunction with atropine, but should never be used alone. This product contains a petroleum distillate which may present an aspiration hazard.

**ENVIRONMENTAL HAZARDS**

This product is toxic to birds, fish and other aquatic organisms. Do not apply to water or wetlands. This product is highly toxic to bees exposed to direct treatment or residue on plants. Consult Agricultural Extension Service for protection information. Do not contaminate water by cleaning of equipment or disposal of wastes.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use, pour, spill or store near heat or open flame.



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**[BACK/SIDE LABEL PANEL]**

**NOTE:** Buyer assumes all risks of use, storage or handling of this product not in strict accordance with directions given herewith. Voluntary Purchasing Groups, Inc. warrants this product to conform to the chemical description on the label and for the purposes stated on the label. The limit of any liability incurred shall be the purchase price paid by the user or buyer.

Dursban® is a registered trademark of DowElanco.

VOLUNTARY PURCHASING GROUPS, INC.  
P.O. Box 460  
BOHNAM, TEXAS 75418

EPA Registration No. 7401-416  
EPA Establishment No. 7401-TX-1

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