

NATIONAL

PATHFINDER

ACTIVE INGREDIENTS:

*Chlorpyrifos [0,0-diethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate]	6.6%
INERT INGREDIENTS	<u>93.4%</u>
TOTAL	100.0%

Contains 0.50 pound of chlorpyrifos per gallon.

* U.S. PATENT NO. 3,244,586

** Contains Aromatic petroleum distillates

Controls Pests As Listed of Households, Turf and Ornamental Plants. Also Recommended for Mosquito Control, Houseflies, and Area Control of Ticks and Chiggers.

To be applied only by or under the supervision of Pest Control Operators, Public Health Organizations, Mosquito Abatement Districts and other Trained Personnel Responsible for Insect control Programs.

KEEP OUT OF REACH OF CHILDREN

WARNING:

(See right panel for warnings)

EPA Reg. No. 1769-282

NET CONTENTS: _____

NATIONAL CHEMSEARCH

A Division of NCH Corporation
2727 Chemsearch Blvd.
Irving, TX 75062

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS: WARNING: Keep out of reach of children. Harmful if swallowed, inhaled or absorbed through skin. Do not breathe vapors and spray mist. May be injurious to eyes and skin. Combustible.

Do not take internally. If ingested, give gastric lavage and get prompt medical attention. Do not get in eyes or on skin. Wash thoroughly with soap and water after handling. Wash contaminated clothing after reuse.

Flush contaminated eyes with plenty of water and get prompt medical attention. Avoid breathing vapors and spray mist. Avoid spraying food crops.

NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote.

Thoroughly wash dishes and food handling utensils with soap and water. If they become contaminated by application of this product. Do not use in poultry houses or other animal buildings.

ENVIRONMENTAL HAZARDS: This product is highly toxic to bees exposed to direct treatment or residues on plants. Protective information may be obtained from your Cooperative Agricultural Extension Service.

PATHFINDER is toxic to fish, birds, and other wildlife. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Shrimp and crabs may be killed at application rates recommended on this label. Do not apply where these are important resources. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label.

PHYSICAL OR CHEMICAL HAZARDS: Do not use or store near heat or open flame. Handle concentrate in a ventilated area.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE DISPOSAL: Pesticide, spray mixture or rinsate that cannot be used or chemically processed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

CONTAINER DISPOSAL: Triple rinse (or equivalent) and offer for recycling, reconditioning, or disposal in approved landfill or bury in a safe place.

GENERAL: Consult Federal, state or local disposal authorities for approved alternative procedures.

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

INDOOR PESTS: NONFOOD AREAS: Includes garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling). To control cockroaches (including strains resistant to certain other insecticides), ants, clovermites, crickets, firebrats, silverfish, spiders. Use 1 part PATHFINDER with 23 parts of water to control light infestations and 1 part PATHFINDER to 12 parts of water to reduce heavy infestations. Apply as a coarse spray or with a paint brush to localized areas, dark corners or rooms and closets, cracks and crevices in walls, along and behind baseboards, beneath and behind sinks, 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 clover mites use the 1 to 12 dilution only.

NOTE: A period of 4 to 7 days is normally required for maximum effect on cockroaches.

For the control of carpet beetles, thoroughly apply a 1 part PATHFINDER to 12 parts water dilution as a spot treatment along baseboards, and edges of carpeting, under carpeting, rugs and furniture, in closets and on shelving.

FOOD HANDLING ESTABLISHMENTS: Places other than private residences in which exposed food is held, processed, prepared or served.

FOOD AREAS -- APPLICATION LIMITED TO CRACK AND CREVICE TREATMENT ONLY -- Includes areas for receiving, storage, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups). Serving areas when food is exposed and facility is in operation also are considered food areas. Prepare the spray as recommended under nonfood areas and apply in small amounts directly into cracks and crevices using equipment capable of delivering a pin stream of insecticide in points between different elements of construction, between equipment and floors, openings leading to voids and hollow spaces in walls, equipment legs and bases, where cockroaches, crickets, firebrats, silverfish and spiders hid. Do not apply this product in conduits, motor housings, junction and switch boxes or other electrical equipment because of possible shock hazard.

Care should be taken to avoid depositing the product onto exposed surfaces or introducing the material into the air. Avoid contamination of food or food processing surfaces.

APPLICATIONS OF THIS PRODUCT IN THE FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS, OTHER THAN AS A CRACK AND CREVICE TREATMENT, ARE NOT PERMITTED.

SERVING AREAS -- Facilities where prepared foods are served, such as dining rooms, but excluding areas where foods may be prepared or held.

Prepare the spray as recommended under **NONFOOD AREAS** and apply as a spot treatment to selective surfaces such as baseboards, under elements of construction and into cracks and crevices. Avoid treating surfaces likely to be contacted by food. Do not apply when facility is in operation or foods are exposed.

WARNING: (PESTS INDOORS). Do not use in poultry houses or other animal buildings housing meat or dairy animals. Do not allow spray to contact food, 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 cover fish bowls (tanks) before spraying.

LAWN PESTS: To control ants, armyworms, brown dog ticks, chiggers, chinch bugs, crickets, cutworms, earwigs, fleas, grasshoppers and sod webworms, (lawn moths), dilute 3 pints of **PATHFINDER** with sufficient water to cover 8,000 sq. ft. (6 ounces per 1,000 sq. ft.) Apply as a coarse, low pressure spray using suitable application equipment. Thoroughly water immediately after treatment to wash the insecticide into the turf, except for sod webworms. For sod webworms, delay watering or mowing the treated area for 12 to 24 hours after treatment. For best results, the lawn should be moist at the time of treatment and care should be taken to obtain complete and uniform coverage of pest infested areas. Spray when pests first appear. Retreat when needed.

To control turfgrass (*Hyperodes*) weevils. Use 3 pints diluted in sufficient water per 4,000 sq. ft. (12 ounces per 1,000 sq. ft.) Spray suspected problem areas in mid-April and again in mid-May.

To control white grubs (European chafer and Japanese beetle larvae only) apply 3 to 6 pints diluted in sufficient water per 4,000 sq. ft. (12 to 24 ounces per 1,000 sq. ft.) when grubs are young and actively feeding near surface, usually in late July and August. Immediately after spraying for grubs, irrigate the treated area with 1/2 to 1 inch of water to wash the insecticide into the underlying soil.

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ORNAMENTAL PLANTS: To control aphids, bagworms, eastern tent caterpillars, fall webworm, grasshoppers, mites, orange striped oakworm, spittlebugs, whiteflies, and yellownecked caterpillars on flowers, shrubs, vines, shade and flowering trees and evergreens use PATHFINDER at the rate of 1/2 gallon in 100 (equivalent to 2 oz. per 3 gallons) gallons of water. To control cutworms, mealybugs, leafhoppers, mimosa webworm, red-humped caterpillar, and exposed thrips, use PATHFINDER at the rate of 1 gallon in 100 gallons of water (4 oz. per 3 gallons).

To control ash lilac borers and the following scale crawlers (oak lecanium, pine needle, tea and white peach) use PATHFINDER at the rate of 2 gallons per 100 gallons (8 oz. per 3 gallons).

Apply using suitable hand or power spray equipment in a manner to provide complete and uniform coverage of infested plants. 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, camelias, poinsettias, rose bushes or variegated ivy because of possible injury to these plants.

NOTE: Mosquitoes coming to rest on areas treated for control of turf and ornamental plant pests will be killed for varying periods of time and treatment, depending on exposure of treated areas to weathering conditions.

AREA CONTROL OF TICKS AND CHIGGERS: Use PATHFINDER to control ticks and chiggers infesting noncropland areas such as roadsides, footpaths and trails, picnic and camping sites, park and other recreational areas where these pests are present and create a nuisance or possible public health problem. Apply PATHFINDER in water at the rate of 1/2 gallon per acre (equivalent to 2 fl. oz. per 1,350 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.

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MOSQUITOES: To control mosquito larvae, use 1 quart of **PATHFINDER** in sufficient water or oil, such as kerosene or fuel oil, to cover 10 acres of none to medium vegetation and 5 acres of medium to heavy vegetation. Apply the spray to provide complete and uniform coverage of infested plants. Apply the spray using suitable application equipment, such as hand and power ground sprayers, mist applicators, and aerial spray equipment. Do not use in any type of heat-generated fogger or sprayer.

To control adult mosquitoes, use 1/2 gallon of **PATHFINER** in sufficient water or oil, such as kerosene or No. 2 fuel oil, to cover 10 acres of none to medium vegetation and 5 acres of heavy vegetation.

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 OF 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.

TO REORDER:

In Texas, call 1-800-492-5060

Outside Texas, call 1-800-527-4691

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