

PM-19

Reg # 1769-281

198

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

<input type="checkbox"/>	Registration
<input checked="" type="checkbox"/>	Amendment
<input type="checkbox"/>	Other

OPP Identifier Number
222107

Application for Pesticide - Section I

1. Company/Product Number 1769/281	2. EPA Product Manager Edwards	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) NCH Corporation/TRAILBLAZER	PM# 19	
5. Name and Address of Applicant (Include ZIP Code) NCH Corporation 2727 Chemsearch Blvd. Irving, Texas 75062 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input checked="" type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

NOTIFICATION
APR 25 1996

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
Product label is being submitted as an amendment. We have changed the entire Precautionary Statements Block. As a result, we are requesting a new stamped label.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
* Certification must be submitted	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container	<input type="checkbox"/> Other (Specify) _____
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product.			<input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled	<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Ms. Kelly K. Rahn	Title Regulatory Compliance Specialist	Telephone No. (Include Area Code) 214-438-0541
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature <i>Kelly K Rahn</i>	3. Title Regulatory Compliance Specialist	
4. Typed Name Ms. Kelly K. Rahn	5. Date 3/27/96	

CHEMSEARCH

TRAIL-BLAZER

Insecticide

ACTIVE INGREDIENTS

*Chlorpyrifos [0,0-diethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate..... 4.3%

**INERT INGREDIENTS.....95.7%

TOTAL.....100.0%

Contains 0.33 pound of chlorpyrifos per gallon.

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

** This product contains appreciable amounts of Aromatic Petroleum Distillate. See Precautionary Statements.

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

KEEP OUT OF REACH OF CHILDREN

WARNING

(See right panel for warnings)

EPA REG. NO. 1769-281

NET CONTENTS

Chemsearch
Div. of NCH Corporation
2727 Chemsearch Blvd.
Irving, Texas 75062

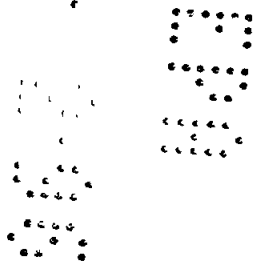
PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Causes Substantial But Temporary Eye Irritation - Harmful if Swallowed

Changes



Do not get in eyes or on clothing. Wear eye protection when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

First Aid:

If In Eyes: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention immediately.

If Swallowed: Call a physician or poison control center immediately. Drink promptly a large quantity of milk, egg white, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Contains aromatic solvent. Do not induce vomiting. Do not give anything by mouth to an unconscious person.

If On Skin: Immediately wash with plenty of soap and water. Get medical attention.

If Inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

Note to Physician: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine, only by injection, is the preferable antidote. Oximes, such as 2-PAM/protopam, may be therapeutic if used early; however, use only in conjunction with atropine.

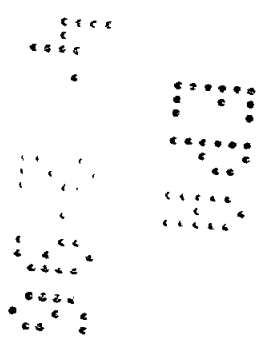
Environmental Hazards

This pesticide is toxic to birds, fish and aquatic invertebrates. Birds feeding in treated area may be killed. Clean up spilled product to reduce exposure to wildlife. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

Physical or Chemical Hazards

Combustible. Do not use or store near heat or open flame.

changes



DIRECTIONS FOR USE:

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

Do not apply this product through any type of irrigation system.

For use on plants intended for aesthetic purposes or climate modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds. Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

INDOOR PESTS: NONFOOD AREAS: Includes garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

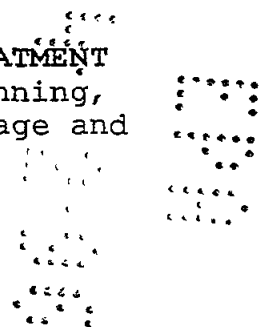
To control cockroaches (including strains resistant to certain other insecticides), ants, clovermites, crickets, firebrats, silverfish, spiders: Use 1 part TRAIL-BLAZER with 15 parts of water to control light infestations. Apply as a coarse spray or with a paint brush to localized areas where these pests are found or normally occur, including dark corners of 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 clovermites use the 1 to 7 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 TRAIL-BLAZER to 7 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 the 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 hide. 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 selected 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 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 the fish bowls (tanks) before spraying.

OUTDOOR PESTS: LAWN PESTS: To control ants, cutworms, earwigs, grasshoppers and sod webworms (lawn moths), dilute 1 gallon of TRAIL-BLAZER in sufficient water to cover 16,000 sq. ft. (1/2 pint per 1,000 sq. ft.). To control armyworms, brown dog ticks, chiggers, fleas, crickets and clovermites, dilute 1 gallon of TRAIL-BLAZER with sufficient water to cover 14,000 sq. ft. (1 pint per 1,750 sq. ft.). For control of chinch bugs, dilute 1/2-

X



1 gallon of TRAIL-BLAZER per 7,000 sq. ft. (1/2 pint-1 pint per 875 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; re-treat when needed.

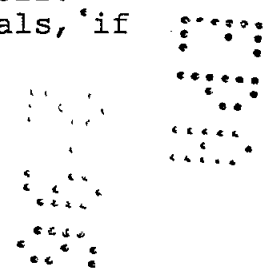
To control turfgrass (Hyperodes) weevils: use 1 gallon diluted in sufficient water per 8,000 sq. ft. (1 pint per 1,000 sq. ft.). Spray suspected problem areas in mid-April and again in mid-May.

To control white grubs (European chafer and Japanese beetle larvae only) apply 1/2 to 1 gallon diluted in sufficient water per 3,500 sq. ft. (1/2 pint to 1 pint per 438 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.

IMPORTED FIRE ANT: Treatment of fire ant mounds. Apply TRAIL-BLAZER as a drench diluted at a rate of 1 gallon of TRAIL-BLAZER to 11 gallons of water. Gently sprinkle a total of 1 gallon of the diluted solution over the surface of each mound using a sprinkler can. Thoroughly wet the mound and surrounding area to a 4 ft. diameter (12 sq. ft.). For best results, apply in cool weather, 65-80 F, or in early morning or late evening hours. Treat new mounds as they appear. Pressurized sprays may disturb the ants and cause migration, reducing product effectiveness.

ORNAMENTAL PLANTS: To control aphids, bagworms, eastern tent caterpillars, fall webworm, grasshoppers, mites, spittlebugs, whiteflies, and yellownecked caterpillars on flowers, shrubs, vines, shade and flowering trees and evergreens use TRAIL-BLAZER at the rate of 1 gallon in 150 gallons of water (equivalent to 8.5 oz. per 10 gallons). To control cutworms, mealy bugs, leafhoppers, mimosa webworm, and exposed thrips, use TRAIL-BLAZER at the rate of 1 gallon in 75 gallons of water (17 oz. per 10 gallons). Apply using suitable hand or power spray equipment in a manner to provide complete and uniform coverage of infested plants. Avoid overspraying to the point of excessive runoff. Treat when pests appear and repeat at 7- to 10-day intervals, if needed.

A



NOTE: Do not use on azaleas, camellias, 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 TRAIL-BLAZER to control ticks and chiggers infesting noncropland areas such as roadsides, footpaths and trails, picnic and camping sites, parks and other recreational areas where these pests are present and create a nuisance or possible public health problem. Apply TRAIL-BLAZER in water at a rate of 1 gallon per 1 1/2 acre (equivalent to 2 fl. oz. per 1,020 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 60 to 150 gallons per 1 1/2 acres.

ATTENTION: (Area Control of Ticks and Chiggers): Do not allow public use of treated areas during application or until spray has dried.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE: KEEP CONTAINER CLOSED.

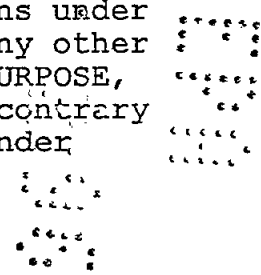
PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL

METAL CONTAINERS: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

PLASTIC CONTAINERS: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of the smoke.

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, expressed or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under



8
8
8

conditions not reasonably foreseeable to Seller; and Buyer assumes the risk of any such use.

TO REORDER
In Texas, call 1-800-442-7950
Outside Texas, call 1-800-527-9919

EPA Est. No. 4140
CA-1 IN-1 NJ-1 PR-1 TX-1

