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2724-327

10/05/1984

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U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH-567) WASHINGTON, D.C. 20460	EPA REGISTRATION NO. 2724-327	DATE OF ISSUANCE 10/5/84
	TERM OF ISSUANCE Until Reregistration	
	NAME OF PESTICIDE PRODUCT Zoecon RF-150 Yard & Kennel Spray	

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
 (Under the Federal Insecticide, Fungicide,
 and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Zoecon Industries
 A Division of Zoecon Corporation
 12200 Denton Drive
 Dallas, TX 75234

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.

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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

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.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(d)(5) when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment:

a. Add the phrase "EPA Registration No. 2724-327."

b. Revise your Environmental Hazard paragraph to read:

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.

c. Revise your Storage and Disposal directions to read:

Storage: Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Avoid contamination of feed and foodstuffs. Store in a cool dry place preferably in a locked storage area.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

Jan S. [Signature]

10/5/84

Disposal: Do not reuse empty container. Wrap and put in trash.

- d. The following accession numbers were assigned to the submitted data.

Product chemistry - 254370
 Acute toxicology - 254371

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-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 (TS-767)

Enclosures

RD/IRB:J.ELLENBERGER:DCR-39442:WANG-0598K:nns:Raven:479-2013:9/19/84

ZOECON RF-150 YARD & KENNEL SPRAY

Contains (With) DURSBAN*

Controls numerous (several) pests infesting home lawns and other ornamental turf areas.

Kills ticks & fleas

ACTIVE INGREDIENTS:

Chlorpyrifos (O,O-Diethyl O-(3,5,6-trichloro-2-pyridyl)phosphorothioate)..... 6.7%
INERT INGREDIENTS:..... 93.3%
Total..... 100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See side panel for additional Precautionary Statements

*Trademark of The Dow Chemical Company

NET CONTENTS:

ACCEPTED
with COMMENTS

OCT 05 1984

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION: Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes or clothing. Do not smoke while using. Wash thoroughly after handling. Wash contaminated clothing before reuse. Avoid breathing spray mist or vapors. Keep children and pets off treated areas until spray has dried.

NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine, only by injection, is the preferable antidote. In case of severe acute poisoning, use antidote immediately after establishing an open airway and respiration.

STATEMENT OF PRACTICAL TREATMENT: If swallowed - Call a physician or Poison Control Center immediately. Do not induce vomiting. Note to Physician: May present aspiration hazard. If inhaled - Remove victim to fresh air. Apply artificial respiration if indicated. If on skin - Remove contaminated clothing and wash affected areas with soap and water. If in eyes - Flush with plenty of water. Get medical attention if irritation persists.

ENVIRONMENTAL HAZARDS: This product is toxic to fish, birds and other wildlife. Keep out of any body of water. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated.

PHYSICAL OR CHEMICAL HAZARDS: Do not use, pour, spill 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.

Pests of Ornamentals: Use to treat flowers, shrubs, vines, shade and flowering trees, and evergreens found to be infested with pests listed in the following table. Dilute with water according to directions given in the table and apply using suitable spray equipment in a manner to provide complete and uniform coverage. 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, camellias, poinsettias, rose bushes, or variegated ivy because of possible injury to these plants.**

For wood boring insects: Apply a coarse low-pressure spray to the trunks of flowering trees and shrubs when the adults begin to emerge.

For peach tree borers: Apply a coarse low-pressure spray to the trunks of flowering trees and shrubs of the Genus *Prunus* before newly hatched larvae enter the tree.

Consult your State Agricultural Experimental Station or Extension Service specialist for proper time to treat in your area.

DOSAGES AND DILUTIONS FOR USE ON ORNAMENTAL PLANTS

Pests Controlled	Amount in water to Make		
	3 gallons	9 gallons	100 gallons
Aphids	2 fl.oz.	6 fl.oz.	2 qts. *
Bagworms			
Eastern tent caterpillar			
Fall webworm			
Grasshoppers			
Cutworms	4 fl.oz.	12 fl.oz.	1 gal. **
Leafhoppers			
Mealybugs			
Thrips (exposed)			
Ash borer	8 fl.oz.	24 fl.oz.	2 gal. ***
Lilac borer			(1.5 pints)
Dogwood borer			
Rhododendron Borer			
Peach tree borer	24 fl.oz.	4.5 pints	6 gal. ****
		(1.5 pints)	

*Equivalent to 4 ounces of chlorpyrifos per 100 gallons.
**Equivalent to 8 ounces of chlorpyrifos per 100 gallons.
***Equivalent to 1 pound of chlorpyrifos per 100 gallons.
****Equivalent to 3 pounds of chlorpyrifos per 100 gallons.

Pests of Lawns and Other Ornamental and Recreational Turf Grass Areas: Use to control pests listed in the following table by application at the recommended dosages and in accordance with the directions given below. Dilute in enough water to obtain complete and uniform coverage of pest infested areas and apply as a coarse, low-pressure spray using suitable application equipment (Use approximately 30 gallons of water for each 6 sq. ft. or RF-150). Thoroughly water immediately after treatment to wash the insecticide into the turf, except as noted. For best results, the lawn should be moist at time of treatment. Keep children and pets off treated areas until spray has dried. Keep out of lawn and garden fountains and other bodies of water.

DOSAGES and DIRECTIONS for USE on TURF

Pest	Dosage RF-150 per 1000 sq.ft.	Remarks
Ants	6 fl.oz.†	Spray when pests first appear; retreat when needed. For sod webworms delay watering or mowing the treated area for 12 to 24 hours after treatment.
Armyworms		
Chiggers		
Chinch bugs		
Clover mite		
Crickets		
Cutworms		
Earwigs		
Fleas		
Grasshoppers		
Sod webworms		
Ticks		
Turfgrass (Hyperodes) weevil	12 fl.oz.	Spray suspected problem areas in mid-April and again in mid-May or as recommended by your local Agricultural Extension Service Specialist in your area.
White grubs (Including European chaffer, southern masked chaffer and Japanese beetle larvae)	12-24 fl.oz.	For white grubs spray when grubs are young and actively feeding near the soil surface, usually during late July and August or as recommended by your local Agricultural Extension Service specialist for your area. Immediately after spraying, irrigate the treated area with 1/2 to 1 inch of water to wash the insecticide in the underlying soil.
Bluegrass billbug	12-24 fl.oz.	Spray early in the season when adults first appear. Retreat when needed.
	†6 fl.oz. per 1000 sq.ft. = 3 fl.oz. per 500 sq.ft. = 1.5 pints per 4000 sq.ft. = 2 quarts per 10,700 sq.ft. = 2 gallons per acre.	

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

INMUTICULTURAL NOTE: Damaged lawns and ornamental turf should be fertilized to stimulate re-growth and recovery from insect injury.

FIRE ANTS: Dilute 2 fl.oz. per gallon of water. Apply one gallon as a gentle rain to each fire ant mound using a sprinkler can. Thoroughly wet 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. Larger quantities of solution can be prepared for multiple mound treatments. Equipment to deliver the diluted product as a gentle rain at the rate of 1 gallon per mound is still required. Pressurized sprays may disturb the ants and cause migration, reducing product effectiveness.

FLEAS & TICKS

In Kennels and Dog Houses: Apply 10 1/2 fl.oz. of Zocon RF-150 in 1 gallon of water to building, resting areas, walls and floors. Old bedding of pets should be removed and replaced with clean, fresh bedding after treatment.

Note: Remove pets before spraying. Do not treat pets with this product.

Pests on Outside Surfaces of Buildings: Use at the rate of 10.5 fl.oz. per one gallon of water (0.5% chlorpyrifos emulsion) to control ants, clover mites, cockroaches, crickets, earwigs, fleas, flies, millipedes, mosquitoes, sowbugs, spioers and ticks by application as a residual spray or with a paint brush to outside surfaces of buildings including porches, screens, window frames, eaves, patios, garages, refuse dumps and other areas where these pests congregate or have been seen. Do not treat or allow the spray to contact plants (lawns, flowering plants, shrubs, trees, evergreens, etc.) because of possible injury. Repeat treatment as needed to maintain effectiveness.

NOTE: To help prevent infestation of buildings by ants, crickets, earwigs, millipedes, and sowbugs (pillbugs): treat a band of soil 6 to 10 feet wide around and adjacent to buildings, also the building foundation to a height of 2 to 3 feet, where pests are active and may find entrance. Use 2 quarts per 100 gallons of water and apply as a coarse spray at the rate of about 10 gallons spray mixture per 1000 sq.ft. to thoroughly and uniformly wet the band area.

STORAGE & DISPOSAL:

Store in original closed container, away from children. Do not reuse empty container. Wrap and put in trash.

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