

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JAN 27 1998

Ms. Eileen Valenta
Wellmark International
1000 Tower Lane
Bensenville, IL 60106

Dear Ms. Valenta:

Subject: Labeling Revision per PR Notices: 97-4, 5, 6, 96-6 and
91-2.
Zoscon RF-150 Yard and Kennel Spray
EPA Reg. No. 2724-327
Your Dated Submission January 5, 1998

The labeling amendment referred to above submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Your amended CSF (basic) is acceptable and supersedes and replaces the CSF of record. If there are further questions concerning the above registration number, contact Dani Daniel of my staff at 703 305-5409.

Sincerely,

/s/

Tina E. Levine, PhD, Chief
Insecticide-Rodenticide Branch
Registration Division (7505C)

Enclosure:

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

[] Indicates optional text

ZOECON® RF-150 YARD AND KENNEL SPRAY

Contains [With] DURSBAN®

[Step #][Pet Protection Program]

Controls numerous [several] pests infesting home lawns and other ornamental turf areas

Kills ticks and fleas

ACTIVE INGREDIENTS:

Chlorpyrifos (CAS #2921-88-20)	7.0%
OTHER INGREDIENTS *	93.0%
Total:	100.0%

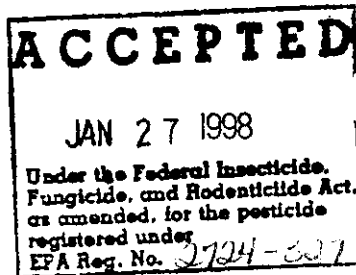
*Contains petroleum aromatic solvent

KEEP OUT OF REACH OF CHILDREN

CAUTION

See side panel for additional Precautionary Statements

NET CONTENTS:



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION: Harmful if swallowed, inhaled, or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist or vapors. Do not smoke while using. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. 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.

FIRST AID **If swallowed** - Call a physician or Poison Control Center immediately. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Avoid alcohol. **Note to Physician:** May present aspiration hazard. **If inhaled** - Remove individual to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention. **If on skin** - Remove contaminated clothing and wash affected areas with plenty of soap and water. Get medical attention if irritation persists. **If in eyes** - Flush eyes with plenty of water. Get medical attention if irritation persists.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to birds, fish, and aquatic invertebrates. Birds feeding in treated areas 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. Do not contaminate water when cleaning equipment or disposing of equipment washwater.

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 Borer: 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 qt*
Bagworms			
Eastern Tent Caterpillar			
Fall Webworm			
Grasshoppers			
Mites			
Orangestriped Oakworm			
Spittlebugs			
Whiteflies			
Yellownecked Caterpillar			
Cutworm	4 fl oz	12 fl oz	1 gal**
Leafhoppers			
Mealybugs			
Mimosa Webworm			
Redhumped Caterpillar			
Thrips (Exposed)			
Ash Borers	8 fl oz	24 fl oz	2 gal***
Lilac Borer		(1.5 pints)	
Dogwood Borer			
Rhododendron Borer			
Scale Crawlers			
Oak Lecanium			
Pine Needle			
Peach Tree Borer	24 fl oz (1.5 pints)	4.5 pt	6 gal****

* 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 oz of 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 fishpools and other bodies of water.

DOSAGES AND DIRECTIONS FOR USE ON TURF

Pest	Dosage RF-150 Per 1000 sq ft	Remarks
Ants Armyworms Chiggers Chinch Bugs Clover Mite Crickets Cutworms Earwigs Fleas Grasshoppers Sod Webworms Ticks	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.
Turfgrass Weevil (<i>Hyperodes</i>)	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 Chafer, Southern Masked Chafer 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.

HORTICULTURAL NOTE: Damaged lawns and ornamental turf should be fertilized to stimulate regrowth 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 to 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 and TICKS

In Kennels and Dog Houses: Apply 10.5 fl oz of Zoecon 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, spiders, 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 and DISPOSAL: **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. **Disposal:** Do not reuse empty container. Wrap and put in trash.

Seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and handling of this material when such use and handling are contrary to label instructions.

ZOECON® is a registered trademark of Wellmark International
Dursban® is a registered trademark of DowElanco

For information or in an emergency, call [phone number]

Wellmark International
Bensenville, IL 60106

EPA Reg. No. 2724-327
Made in USA

EPA Est. No.