

PM 13

45087-54

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Until Reregistration

160 5405024

18 1'
Zema Esfenvalerate Lawn Spray
Concentrate

Zema Corporation
P.O. Box 12803
Research Triangle Park, NC 27709

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

1. Submit/cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 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. 45087-54."

b. Delete the following phrase under Environmental Hazards:

. . . or wetlands (swamps, bogs, marshes,
and potholes).

63224:I:WP50:Moats:WP13-2:KEVRIC:05/27/92:06/26/92:DD

2 3 5

- c. Under Statement of Practical Treatment for the caption "If Inhaled . . ." add "Get medical attention at the end of the sentence.
- d. Limit use of the product to residential sites only by adding the following sentence on the front label:

. . . For use outdoors on Residential
Lawns and Around Residential Premises
Only . . .

- e. Under "Directions for Use" add the following sentence:

Keep pets and children out of the treated
area until the spray has dried. Do not
spray on animals.

- f. In reference to the Product Chemistry data, the Confidential Statement of Formula and the product specific data are acceptable. However, the label must report the ANSI common name S-Fenvalerate preceding the chemical name on the label ingredient statement.
- g. The statement should read:

. . . which may transmit Lyme Disease.

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 section 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.

George T. LaRocca
Product Manager (13)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosures

DRAFT LABEL
ZEMA ESFENVALERATE LAWN SPRAY CONCENTRATE

Emulsifiable Concentrate for use on lawns made from 25% of
EVERCIDE Intermediate 2527

FRONT PANEL

EMULSIFIABLE CONCENTRATE FOR USE ON LAWNS TO KILL FLEAS AND TICKS
AND OTHER OUTDOOR INSECTS LISTED ON THIS LABEL. ALSO KILLS DEER
TICKS AND OTHER IxODID SPECIES THAT CARRY AND TRANSMIT LYME
DISEASE.

ACTIVE INGREDIENT:

(S)-cyano (3-phenoxyphenyl) methyl-(S)-4-chloro-alpha-
(1-methylethyl) benzeneacetate..... 0.44%
*INERT INGREDIENTS..... 99.56%
100.00%

*Contains petroleum distillate
EVERCIDE - Registered trademark of McLaughlin Gormley King co.

KEEP OUT REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center
immediately. Do not induce vomiting
because of aspiration pneumonia hazard.
IF IN EYES: Flush with plenty of water. Get immediate
medical attention.
IF ON SKIN OR CLOTHING: Remove contaminated clothing and wash
before re-use. Wash skin with soap and
warm water. Get medical attention if
irritation persists.
IF INHALED: Remove victim to fresh air. Apply
artificial respiration if indicated.

Net Contents _____

Manufactured by:

ZEMA CORPORATION
Research Triangle Park, NC 27709

EPA REG. No. 45087--
EPA Est. No. 45087-NC-1

ACCEPTED
with COMMENTS
in EPA Letter Dated

JUN - 3 1992

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
45087-54

BACK PANEL

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. Contains petroleum distillate. Do not induce vomiting because of aspiration pneumonia hazard. Avoid breathing vapors or spray mist. Avoid contact with skin or eyes. In case of contact, flush with plenty of water. Wash with soap and warm water after use. Obtain medical attention if irritation persists. Avoid contamination of food or feedstuffs.

Do not spray plants used for food or feed.

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to fish. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Drift from treated areas may be hazardous to organisms in adjacent aquatic sites. Do not contaminate water when disposing of equipment washwaters.

PHYSICAL OR CHEMICAL HAZARDS

Do not use 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.

LAWN FLEA AND TICK CONTROL:

To kill fleas and ticks harboring in lawns and backyards, use this concentrate in a hose-end sprayer. Place required amount of concentrate in sprayer jar (see chart below) and fill with water to the recommended level. Mix well. Attach to sprayer and spray as recommended. For best results, lawn should be mowed a day or two before spraying. Spray using a slow, even sweeping motion, being sure to cover the entire lawn surface where the pets will normally frequent. Spray under ornamentals and trees, but avoid soaking young or flowering plants. Repeat treatments may be necessary at 7 to 14 day intervals. Kills on contact the Ixodes dammini tick (deer tick), which transmits lyme disease. Also kills foraging fire ants upon direct contact. A registered fire ant mound treatment should also be used in conjunction with this product.

Keep pets and children out of the treated area until after the spray has dried. Do not spray animals. Dogs, cats, their kennel or bedding area should also be treated with a registered flea and tick control product in conjunction with this application.

HOSE END SPRAYER APPLICATION

Amount of Product to Use Fluid Ounces*	Amount of Water to Use	Area to be Treated
1 1/3 fluid ounces	3 gallons	500 sq. ft. (50' x 10')
2 2/3 fluid ounces	6 gallons	1000 sq. ft. (50' x 20')
5 1/3 fluid ounces	12 gallons	2000 sq. ft. (50' x 40')

*Note: 1 fluid ounce = 2 Tablespoons = 6 Teaspoons

FOR OUTDOOR PESTS:

Mix concentrate in a compressed air sprayer or watering can at the rate of two (2) fluid ounces per one (1) gallon of water to control on contact ants, cockroaches (including German and Asian cockroaches), crickets, palmetto bugs, sowbugs, spiders, and ticks. Use at the rate of one (1) gallon (diluted spray) per 1,000 square feet to outside surfaces of buildings, porches, patios, garages and other areas where these pests have been seen or are found. Do not spray in or near fish ponds or other bodies of water. Do not allow spray to contact ornamental plants or shrubs because of possible injury.

Building Perimeter Treatment: To help prevent infestations of buildings by ants, centipedes, crickets, sowbugs, and spiders, treat a 12-18 inch band of soil or other substrate adjacent to buildings and the building foundation to a height of 2 to 3 feet where these pests are active and may find entrance. Use sixteen (16) fluid ounces of concentrate per gallon of water and apply as a coarse wet spray at the rate of one (1) gallon per 1,000 square feet.

STORAGE AND DISPOSAL

STORAGE: Store in a cool, dry place. Keep container closed.

DISPOSAL: Do not reuse empty container. Wrap container in several layers of newspaper and discard in trash.