

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

TERM OF ISSUANCE  
Until Reregistration

NAME OF PESTICIDE PRODUCT  
Zema Residual Flea and Tick Spray  
For Dogs and Cats

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

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

~~160-177107~~  
181

**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 indorsement 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 section 3(c)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(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. 45087-41."
- b. Revise the sentence to read "A Residual Insecticide That Kills Ticks and Fleas . . . ."
- c. The child hazard warning must precede the signal word.
- d. A Statement of Practical Treatment must be added to the labeling. We suggest the following statement; however, if your toxicological data suggest otherwise, please submit a draft Statement of Practical Treatment for prior approval:

If Swallowed - Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

vomiting by touching the back of throat with a finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

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 eyes with plenty of water. Call a physician if irritation persists.

- e. Add the following subheading and wording to the Precautionary Statements section:

Physical and Chemical Hazards

Do not use or store near heat or open flame.

- f. Revise the Storage and Disposal section to appear as follows:

Storage: . . . .

Pesticide Disposal: Do not reuse empty . . . .

Container Disposal: Replace cap and discard container in trash. Do not incinerate or puncture.

- g. Add the sentence "Wash hands with soap and water after applying this product" to the Precautionary Statements and Directions For Use sections.

3. The following comments pertain to chemistry.

a. Provide a new Confidential Statement of Formula (CSF) that shows the upper and lower certified limits based on pure active ingredients rather than the technical or concentrate. Note that the lower limit of the active, including any solvent declared as active, must not fall below the label claim (copy of CSF form enclosed).

b. Please provide a complete description of the manufacturing/formulation process. Describe equipment used, mixing time, temperature, etc.

4. 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.

**BEST AVAILABLE COPY**

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 (15)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767C)

Enclosures

DRAFT LABEL

FRONT PANEL

ZEMA RESIDUAL FLEA & TICK SPRAY FOR DOGS AND CATS

Residually Kills Ticks and Fleas on Dogs and Cats

ACTIVE INGREDIENTS:

Pyrethrins	0.056%
Permethrin [*3-Phenoxyphenyl] methyl (±) cis-trans-3-(2,2-dichloroethenyl) 2,2-dimethylcyclopropanecarboxylate]	0.050%
Related Compounds	0.004%

INERT INGREDIENTS:

	99.890%
	<u>100.000%</u>

\*cis-trans isomer ratio: Min. 35% (±) cis  
 Max. 65% (±) trans

CAUTION

KEEP OUT OF REACH OF CHILDREN

See back panel for additional precautionary statements

NET WEIGHT: 8 fl. oz.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

JUL 21 1987

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

45082-47

**BEST AVAILABLE COPY**

DRAFT LABEL

BACK PANEL, Residual Flea & Tick Spray for Dogs and Cats

DIRECTIONS FOR USE

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

This product will kill fleas up to 14 days and ticks up to 7 days on dogs and cats.

HOLD CONTAINER UPRIGHT. SHAKE WELL BEFORE USING.

Spray the animal from a distance of 8 to 12 inches. Start spraying at the tail, moving the dispenser rapidly and making sure the animal's entire body is covered, including the legs and under the body. Fluff the hair as you spray so the spray will penetrate to the skin. The spray should wet the ticks thoroughly. Do not spray in face, eyes or on genitalia. Repeat as needed.

For cats apply at the rate of 1 second per pound of body weight. For dogs apply at the rate of 2 seconds per pound of body weight for thin or short-haired dogs and up to 8 seconds per pound of body weight for heavy or long-haired dogs.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed. Avoid breathing vapors. Do not spray in eyes, face or on genitalia. Do not use on nursing puppies or kittens under 3 months of age. Do not use or store near heat or open flame.

STORAGE AND DISPOSAL

Storage: Store in cool area away from heat and open flame.

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

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

Supplied by: Zema Corporation  
Research Triangle Park  
North Carolina 27709

**BEST AVAILABLE COPY**