

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDE PROGRAMS
REGISTRATION DIVISION (TS-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.

45087-40

DATE OF ISSUANCE

November 2, 1987

TERM OF ISSUANCE

Until Reregistration

NAME OF PESTICIDE PRODUCT

Zema 11-Month Collar For Dogs

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Includes ZIP code)

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

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)(1) when the Agency requires all registrants of similar products to submit such data.

2. Add the phrase "EPA Registration No. 45087-40" to your label before you release the product for shipment.

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.

4. A 1-year storage stability study must be submitted for this product within 15 months from the date of this Registration Notice.

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.

Dennis H. Edwards, Jr.
Product Manager (12)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

BEST AVAILABLE COPY

Enclosures
 ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

Dennis H. Edwards, Jr.

DATE

11/2/87

FRONT PANEL

ZEMA 11-MONTH COLLAR FOR DOGS

- 26" Collar for 24" Necks Long Lasting Protection
- 24" Collar for 22" Necks
- 22" Collar for 20" Necks
- 20" Collar for 18" Necks (Controls or Kills) Fleas Up to 11 Months
- 18" Collar for 16" Necks (Controls or Kills) Sarcoptic Mange Mites
- 16" Collar for 14" Necks (Controls or Kills) Ticks up to 7 Months

Aids in Tick Control For An Additional 2 Months
 From Head to Tail

ACTIVE INGREDIENT:

Chlorpyrifos: 0,0-Diethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate.....	8.0%
INERT INGREDIENTS	92.0%

KEEP OUT OF REACH OF CHILDREN
CAUTION
 See other precautions on back.

ACCEPTED
with COMMENTS
in EPA Letter Dated

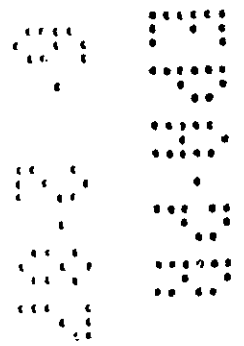
NOV 2 1987

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

45087-40

NET WEIGHT: 1.5 oz. (43g)

Manufactured for
 ZEMA CORPORATION
 Research Triangle Park
 North Carolina 27709



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS-CAUTION: Do not open protective pouch until ready to use. Do not allow children to handle this collar. Wash hands thoroughly with soap and water after handling collar. Do not use on sick and convalescing dogs. Do not use other pesticides on dogs while collar is worn. Do not use on dogs under 12 weeks of age. This product contains a cholinesterase inhibitor. Some breeds or individuals may be sensitive. Remove collar if symptoms of cholinesterase inhibition (which may include salivation, vomiting, and/or diarrhea) occur. Atropine is antidotal only if symptoms of cholinesterase inhibition are present.

DIRECTIONS FOR USE

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

Buckle collar around dog's neck. Collar should be worn loosely to prevent irritation. Attach collar so two or three fingers may be inserted easily between collar and dog's neck. Cut off any excess length and dispose of it. When collar is first worn observe neck area every few days for irritation. Remove collar at the first sign of irritation or adverse reaction.

This collar starts killing fleas and ticks as soon as it is placed around dog's neck. Fleas on the dog will be killed (within 4-8 hours after collar attachment) and new ones which may temporarily appear on the dog will also be killed while collar is worn.

Ticks are tough and are killed slowly. When the collar is first placed on dog, adult ticks will be killed over entire body in a few days and will fall off or may then be easily removed. Ticks appear on dogs in three stages. In the first two stages ticks are smaller than a match head and are difficult to see. The collar will also control these immature stages. Use in addition to regular collar.

This collar has been shown to provide effective flea (control or kill) up to 11 months and tick (control or kill) up to 7 months plus aiding in tick (control or kill) for an additional 2 months. Replace when effectiveness diminishes.

Kills ticks that may carry and transmit Rocky Mountain spotted fever and tularemia.

DISPOSAL

Do not reuse container or used collar; wrap and put in trash collection.

EPA REG. NO. 45087-
EPA Est. 45087-NC-1
Made in the Netherlands

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POUCH PANEL

FLEA & TICK COLLAR FOR DOGS

Contains Dursban[®]

Registered TM Dow Chemical Co.

Do not open until ready to use.

KEEP OUT OF REACH OF CHILDREN

C A U T I O N

See back panel of outer carton for additional precautionary information

ACTIVE INGREDIENTS:

Chlorpyrifos [0,0-Diethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate] 8.00%

INERT INGREDIENTS 92.00%

TOTAL 100.00%

EPA Est. No. 54674 NT-1
EPA Reg. No. 45087-____
Lot No. _____

