

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (75-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.

45087-34

DATE OF ISSUANCE

10/23/85

TERM OF ISSUANCE

NAME OF PESTICIDE PRODUCT

Zema Lawn and Kennel
Spray Concentrate

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

NAME AND ADDRESS OF REGISTRANT (Include 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 sec. (c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 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. 45087-34."
 - b. Change the signal word on the front panel of your label and in the Hazards to Humans and Domestic Animals paragraph from "CAUTION" to "WARNING."
 - c. Add to your "Hazards to Humans and Domestic Animals paragraph the statement "May be fatal if swallowed."
 - d. In your Environmental Hazards paragraph change the sentence "Keep out of aquariums, lakes, streams, ponds, tidal marshes, and estuaries" to "Do not apply directly to water."

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

Jay S. Ellenberger

DATE

10/23/85

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-767C)

Enclosure

ACCEPTED
with COMMENTS
in EPA Letter Dated:

DRAFT LABEL

OCT 28 1985

FRONT PANEL:

ZEMA LAWN & KENNEL SPRAY CONCENTRATE

Kills fleas, ticks and chiggers

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
EPA America's Environmental Protection Agency
registered under Reg. No.

45087-34

ACTIVE INGREDIENTS:

Chlorpyrifos (0,0-diethyl 0-[3,5,6-trichloro-2-pyridyl] phosphorothioate) 6.60%

INERT INGREDIENTS:*

93.40%

*Contains aromatic petroleum solvent

CAUTION: KEEP OUT OF REACH OF CHILDREN

See Back Panel For Additional Precautionary Statements

Contents: 16 fl. oz., (.471 liters)

BACK PANEL:

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

FOR LAWNS: Apply 16 oz. of Lawn and Kennel Spray in 78 gallons of water as a low pressure spray to cover 2600 sq. ft., or 1½ oz. of Lawn and Kennel Spray in 6 gallons of water to cover 200 sq. ft. Spray may be applied with a lawn hose sprayer. Repeat as necessary. Thoroughly water after treatment to wash insecticide into treated area. For best results lawn should be moist at time of treatment. See note below.

FOR KENNELS, DOG HOUSES, DOG RUNS: Apply at a .05% concentration (10½ fl. oz. per gallon of water) to buildings, resting areas, walls and floors. Old bedding of pets should be removed and replaced with clean bedding after treatment. See note below.

NOTE: Do not use on azaleas, camellias, poinsettias, roses, or variegated ivy. Remove pets before spraying. Do Not Treat Pets With This Product. Keep children and pets out of treated area until spray has dried.

PRECAUTIONARY STATEMENTS

Hazards to humans and domestic animals

CAUTION

Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mist. Keep away from food, feed stuffs and domestic water supplies. Wash thoroughly after handling.

STATEMENT OF PRACTICAL TREATMENT:

- If Swallowed: Call a Physician or Poison Control Center Immediately. Do not induce vomiting. May present aspiration hazard.
- If on Skin: In case of contact, remove contaminated clothing and immediately wash skin with plenty of soap and water.
- If in Eyes: Flush with plenty of water.
- If inhaled: Remove victim to fresh air. Apply respiration if indicated.

NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine only by injection is the preferable antidote. Oximes such as 2 PAM may or may not be therapeutic, but it is recommended they not be used in place of atropine.

PHYSICAL OR CHEMICAL HAZARDS

Do not store or use near heat or open flame. Do not store below 32°F.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Keep out of aquariums, lakes, streams, ponds, tidal marshes, and estuaries. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of water.

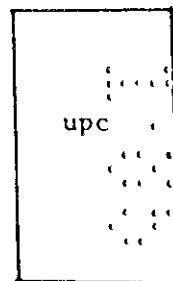
STORAGE AND DISPOSAL

Store only in original container in locked storage area above 32°F.

To dispose of unused insecticide, wrap original container in several layers of newspaper and discard in trash. Do not reuse container. Rinse thoroughly before discarding in trash.

EPA Reg. No. 45087-GU
EPA Est. No. (A) 45087-NC-1
(B) 622-NB-1
Lot Number prefix (A) or (B) indicates appropriate establishment number.

ZEMA CORPORATION
Research Triangle Park, NC 27709



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Jay S. Ellenberger

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Product Manager (12)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

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DRAFT LABEL

OCT 28 1985

FRONT PANEL:

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45087-34

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