

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

EPA REGISTRATION NO.
45087-53

DATE OF ISSUANCE
SEP 20 1991

TERM OF ISSUANCE
Conditional

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

NAME OF PESTICIDE PRODUCT
Zema Pyrethrins Powder

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. 3(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) and sec. 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. 45087-53."

b. Delete the front label statement "Leaves no objectionable residues".

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.

See following page.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE SEP 20 1991

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.

RFM

Richard F. Mountfort
Product Manager 10
Insecticide & Rodenticide Branch
Registration Division (H7505C)

3 0 6
with COMMENT.
In EPA Letter Dated

SEP 20 1991

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
45087-53

ZEMA PYRETHRINS POWDER

QUICK KILL ACTION AND LONG LASTING CONTROL

For use in Residences, Institutions, Food Plants, Motels, Theaters,
Schools, Truck Trailers, Boxcars, Hospitals,
Office Buildings and Hotels.

Controls ANTS, COCKROACHES, SILVERFISH, FLEAS, TICKS
and others listed on side panels

Contains Pyrethrins

Provides Rapid Control of Insects on Vegetables or Ornamental
Plants

Leaves No Objectionable Residues

Delete

Acceptable for Use To Day Of Harvest on Edible Plants

This dust may be used throughout the growing season; or as a
preharvest treatment acceptable for use up to the day of harvest
on Edible Plants when other insecticides are prohibited due to
residue restrictions and use limitations.

May also be used to control fleas, ticks & lice on cats and dogs

ACTIVE INGREDIENTS:

Pyrethrins.....	0.10%
*Piperonyl Butoxide, Technical.....	1.00%
INERT INGREDIENTS:.....	<u>98.90%</u>

TOTAL 100.00%

*Equivalent to 0.8% (butylcarbityl) (6-propylpiperonyl) ether and
0.2% related compounds

KEEP OUT OF REACH OF CHILDREN

CAUTION

Avoid inhalation of dust

See side panels for additional precautionary statements

Manufactured by: Zema Corporation
Research Triangle Park, NC 27709

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

Net Contents: _____

DIRECTIONS FOR USE

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

Treat only when insects are present and repeat as required to maintain control. Apply dust uniformly to upper and lower leaf surfaces.

CROP	TO CONTROL
ASPARAGUS	Asparagus Beetles
BEANS <i>p.d. 11</i>	Aphids, Leafhoppers, Mexican Bean Beetles
BROCCOLI, CABBAGE, BRUSSEL SPROUTS, CAULIFLOWER	Cabbage Loopers, Diamondback Moth Larvae, Flea Beetles, Harlequin Bugs, Imported Cabbageworms
CELERY	Cabbage Loopers, Leaf Tiers
LETTUCE	Cabbage Loopers, Diamondback Moth Larvae, Imported Cabbageworms
POTATOES <i>part 1</i>	Aphids, Colorado Potato Beetles, Flea Beetles, Leafhoppers
RADISHES	Aphids, Flea Beetles
SPINACH	Aphids, Cabbage Loopers, Webworms
TOMATOES <i>part 1</i>	Green Peach Aphid, Flea Beetles
ORNAMENTALS	Aphids, Flea Beetles, Leafhoppers on: African Violets, Asters, Azaleas, Begonias, Camellias, Carnations, Chrysanthemums, Dahlias, Dogwood, Geraniums, Gladiolus, Marigolds, Roses, etc.

To control Fleas, Ticks and Lice on Dogs and Cats, dust powder liberally over the entire body. Rub dust into hair and around the feet, pads and between the toes so that they are well treated. Take care not to get the powder in animal's eyes, nose or mouth. Dust bedding, kennel and sleeping area regularly. Repeat as needed.

BEST AVAILABLE COPY

NON FOOD AREAS:

Homes, institutions, hospitals, office buildings, warehouses, hotels, motels, theaters, schools, truck trailers, and railroad cars: To control crawling insects including ants, cockroaches, silverfish, fleas and ticks, apply a continuous visible film underneath and behind stoves, refrigerators, and appliances. Treat on, around and behind moldings, shelves, baseboards, pipe openings, cracks, crevices and other areas where insects may hide. Do not use on surfaces that come into direct contact with food. For severe infestations, apply this product behind cabinets and walls, in crawl spaces and in attics at the rate of 16 ounces per 1000 square feet of surface area. In animal quarters, distribute this product at the rate of 3 ounces per 100 square feet of surface area. Repeat treatment as necessary.

APPLICATIONS WITHIN FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS:

Food processing plants and warehouses, bakeries, beverage plants, restaurants, supermarkets, meat and poultry processing plants, hotels, motels, hospitals, and schools: Limited to crack and crevice treatment only. Using a bulbous or similar duster, apply a small amount of material directly into cracks, crevices such as expansion joints between different elements of construction or between equipment different elements of construction or between equipment bases and the floor, wall, voids, motor housing, junction boxes or switch boxes, conduits or hollow equipment legs where roaches, ants, silverfish, spiders and crickets hide. Care should be taken to avoid depositing the product onto exposed surfaces or introducing the material into the air. Avoid contamination of food processing surfaces. Repeat treatment as necessary.

APPLICATIONS OF THIS PRODUCT IN THE FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS, OTHER THAN AS A CRACK AND CREVICE TREATMENT, ARE NOT PERMITTED.

THIS CONTAINER IS FILLED BY WEIGHT, NOT BY VOLUME. YOU CAN BE ASSURED OF THE PROPER WEIGHT EVEN THOUGH SOME SETTLING OF CONTENTS NORMALLY OCCURS DURING TRANSPORTATION AND HANDLING.

BEST AVAILABLE COPY

STORAGE AND DISPOSAL

For containers larger than 5 pounds:

Do not contaminate water, food or feed by storage or disposal.
STORAGE AND SPILL PROCEDURES: Store upright in original container at room temperature. Avoid exposure to moisture. In case of spill or leakage, sweep up and dispose of according to local and state chemical waste guidelines.

PESTICIDE DISPOSAL: Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

For containers 5 pounds and smaller:

STORAGE: Store in original container in an area inaccessible to children and pets and away from heat and sunlight. Avoid exposure to moisture.

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

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS
CAUTION**

Avoid breathing dust and contact with skin and eyes.

STATEMENT OF PRACTICAL TREATMENT

IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated. Give nothing by mouth to an unconscious person.

IF ON SKIN: Remove contaminated clothing. Wash skin with soap and water. Contact a physician if irritation persists. Wash clothing before reuse.

IF IN EYES: Flush eyes with water for 10 to 15 minutes. Contact a physician if irritation persists.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Keep out of lakes, streams or ponds. Do not contaminate water by cleaning of equipment or disposal of wastes.

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