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DEC 06 1989

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Kelly Parker  
Zoecon Corporation  
A Sandoz Company  
12005 Ford Road, Suite 800, LB 44  
Dallas, TX 75234-7296

Subject: Zoecon RF-342 emulsifiable Concentrate  
EPA Registration No. 2724-427  
Changes in the DIRECTIONS FOR USE portion of the  
label as per our discussion on November 21, 1989.


Dear Kelly:

The labeling changes that we discussed on November 21, 1989 made in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, are acceptable. The following DIRECTIONS FOR USE label statements will be removed because they would not be achievable in tobacco processing plants:

"Cover or remove any tobacco or tobacco processing equipment during application. After spraying wash all equipment, benches, shelving, etc., where tobacco will be handled with an effective cleaning compound followed by a potable water rinse."

Submit five (5) copies of the final printed labeling.

Sincerely,

  
Phil Hutton  
Product Manager 17  
Insecticide/Rodenticide Branch  
Registration Division (H7505C)

CONCURRENCES

SYMBOL							
SURNAME	Bagley						
DATE	11-27-89						

2724-427	DATE OF ISSUANCE
TERM OF ISSUANCE	
NAME OF PESTICIDE PRODUCT	
Zoecon RF-342 Emulsifiable Concentrate	

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

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Zoecon Corporation  
A Sandoz Company  
12005 Ford Road, Suite 800, LF 44  
Dallas, TX 75234-7296

Handwritten notes: 255 062 / 18, 345 224223 / 78, 75, 255 037 / 19, 161

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. 2724-427."
  - b. Add the following statements to the DIRECTIONS FOR USE portion of the label:

Do not apply directly to tobacco being processed. Cover or remove any tobacco or tobacco processing equipment during application. Wash all equipment, benches, floors, etc., with a suitable cleaning compound followed by a water rinse.

**BEST AVAILABLE COPY**

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL: *See P. 2* DATE: 11/15/89

- c. The following statement must be added to the label after the HAZARDS TO HUMANS AND DOMESTIC ANIMALS portion of the label:

**ENVIRONMENTAL HAZARDS**

Do not contaminate water when disposing of equipment washwaters.

- d. You must add the following statement to the use directions:

Do not use this product in or on electrical equipment due to the possibility of shock hazard.

This statement must be included until your submission of test data indicates that the product is safe to use near or on electrical equipment.

3. Include data on the corrosive characteristics of the product when you submit the rest of the storage stability data.

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.

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.



Phil Button  
Product Manager (17)  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

Enclosures

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# ZOECON RF-342 EMULSIFIABLE CONCENTRATE FOR TOBACCO

An Insect Growth Regulator for the Control of  
Insect Pests in Tobacco Processing and  
Storage Facilities

### ACTIVE INGREDIENTS:

(S)-Methoprene [Isopropyl(2E,4E,7S)-  
11-methoxy-3,7,11-trimethyl-2,4-  
dodecadienoate]..... 32.8%

INERT INGREDIENTS:..... 67.2%  
TOTAL..... 100.0%

This product contains 2.5 lb/gallon (300 grams/liter)  
(S)-methoprene active ingredient.

**KEEP OUT OF REACH OF CHILDREN**  
ACCEPTED  
COMMENTS  
in EPA Letter Dated:

## CAUTION

NOV 17 1989

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide  
registered under EPA Reg. No.  
2724-227

See Back Panel for Additional Precautionary Statements.

## NET CONTENTS:

**INTRODUCTION:** Zoecon RF-342 is an emulsifiable formulation of methoprene. It is designed for use in cold aerosol generator aqueous emulsive spray. (S)-methoprene, unlike traditional insecticides, does not kill insects; instead it interferes with the normal physiological processes and prevents adult emergence. Zoecon RF-342, when used according to the following insects.

- Almond moth (*Ephestia cautella*)
- Cigarette beetle (*Lasioderma serricorne*)
- Sawtooth grain beetle (*Oryzaephilus surinamensis*)
- Red flour beetle (*Tribolium castaneum*)
- Tobacco moth (*Ephestia elutella*)
- Indian meal moth (*Plodia interpunctella*)
- Lesser grain borer (*Rhyzopertha dominica*)
- Merchant grain beetle (*Oryzaephilus mercator*)
- Confused flour beetle (*Tribolium confusum*)
- Warehouse beetle (*Trogoderma* spp.)

### PRECAUTIONARY STATEMENT

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION:** Harmful if inhaled. Avoid breathing vapors or spray mist. Avoid contact with skin. Avoid contact with eyes. Immediately flush eyes or skin with plenty of water. If irritation persists.

**PHYSICAL AND 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.

**Application with Cold Aerosol Generators:** Apply Zoecon RF-342 with water as required following the instructions of the manufacturer. Apply at the rate of 1 ml per 1,000 square feet of surface area to achieve uniform treatment.

Close room or warehouse and shut off all ventilating systems. Do not breathe the spray mist in the air above the trays, shelves, and in areas where people are working. Room closed for 30 minutes to allow spray mist to settle. Ventilate before entry. Repeat application as required.

**Application as an Aqueous Spray:** Prepare a diluted spray solution of Zoecon RF-342 to 1 gallon of water. Apply at a rate of 1 gallon per 1,000 square feet of surface area with any low pressure sprayer. Repeat applications. Treat all areas which may harbor insects.

**Mixing Instructions:** Partially fill the mixing container with water and complete filling with recommended quantity of water. Mix for 24 hours of mixing. Agitate before each use.

**STORAGE & DISPOSAL:** **Storage - Store in original container.** **Disposal -** Do not contaminate water, food, or feed by storage or disposal. This product may be disposed of on site at a sanitary landfill, or by other procedures approved by state or local authorities, by burning. If burned, stay out of smoke. Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and crush into small pieces and dispose of in a sanitary landfill, or incinerate at a local incinerator, by burning. If burned, stay out of smoke. Rinse (or equivalent). Then dispose of in a sanitary landfill, or by other procedures.

### WARRANTY AND CONDITIONS

Zoecon Corporation warrants that this product conforms to the label and is useful for the control of insect pests as directed. The seller makes any other warranty, express or implied.

Zoecon Corporation  
A Sandoz Company  
12200 Denton Drive, Dallas, TX 75244

EPA Reg. No. 2724-  
U.S. Patents 3,904,642 & 3,912,815  
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