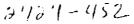
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

JUN 1 - Pany

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Lynn G. Pierce ZOECON CORPORATION A SANDOZ COMPANY 12200 DENTON DRIVE DALLAS, TX 75234

Subject: Label Amendment Submission of 01/18/94 in Response to PR Notice 93-7 EPA Reg. No. 2724-452 APEX

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

 BEFORE selling or distributing any product bearing the final printed labeling AND

• WITHIN one year from date of this acceptance.



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Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL) Office of Pesticide Programs (7505C) U.S. Environmental Protection Agency 401 M Street, SW Washington, D.C. 20460-0001

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Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL) Office of Pesticide Programs Room 266A, Crystal Ma!l 2 1921 Jefferson Davis Highway Arlington, VA 22202

> Sincerely, Jim Tompkins, Deputy Chief Registration Support Branch

Registration Support Branch Registration Division (7505W) Jys

Attachment

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division 2015

Lynn G. Pierce ZOECON CORPORATION A SANDOZ COMPANY 12200 DENTON DRIVE DALLAS TX 75234

Comment for: EPA Reg Nr.2724-452 ZOECON APEX 5E

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

Add the following statement to the "Personal Protective Equipment" section of your label: "Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry." The exact location for this statement is shown in Section A on Part 1 of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

The glove requirement for "applicators and other handlers" in the Personal Protective Equipment" section on your proposed labeling is missing or does not match the chemical-resistance category identified on your proposed labeling. Correct the chemical-resistance category statement (if necessary) to state: "Some materials that are chemical resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical resistance category selection chart." Remove the incorrect glove requirement (if any) and add "Chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber or viton". The exact location is shown in Sections A and B on Part I of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

Add the following statement to the Directions For Use section on your labeling immediately above the Agricultural Use Requirements box: "For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation." The exact location is shown in Section F on Part 2 of the Product Worksheet in Supplement Three-A to PR Notice 93-7. ZOECON CORPORATION EPA Reg. Number: 2724-452 ZOECON APEX 5E Application date: 04/18/94 Original Submission

> The glove requirement for early entry in the Agricultural Use Requirements box on your proposed labeling is missing or incorrect. Remove the incorrect requirement (if any) and add "Chemical-resistant gloves, such asbarrier laminate or butyl rubber or nitrile rubber or viton". The exact location is shown in Sections F and G on Part 2 of the Product Worsheet in Supplement Three-A to PR Notice 93-7.

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Correct the typographical errors circled on your proposed label.



APEX® 5E

AN INSECT GROWTH REGULATOR TO PREVENT THE EMERGENCE OF ADULT SCIARID FLIES IN MUSHROOM CULTURE

ACTIVE INGREDIENT:

Methoprene (Isopropyl (E,E)-11-Methoxy-	
3,7,11-trimethyl-2,4-dodecadienoate] 6	65.7%
INERT INGREDIENTS:	34,3%

This product contains 5 lbs/gallon (600 grams/liter) methoprene active ingredient.

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

NET CONTENTS:

Zoecon Corporation A Sandoz Company 12200 Denton Drive, Dallas, Texas 75234

EPA Reg. No. 2724-452 EPA Est. No. 2724-TX-1 0492-B

> ACCEPTED WILL COMMENTS In EPA Letter Dated JUN 1 - 1994

Under the Federal Insecticide. Fundicide, and Hadenticide Act amended, for the posti eide. 2724-452

INTRODUCTION

Methoprene, the active ingredient in APEX 5E insect growth regulator (IGR) is a chemical a traditional pesticides, the presence of methoprene does not result in immediate insect kill, it development. APEX 5E will prevent the emergence of adult sciarid lies when incorporated in most conditions fly control is achieved without adverse effects on mycefium growth or mushre time of application will not be allected. Il high adult populations are present initially, use of a over all results. After treatment with APEX 5E, tarvae will continue to develop to the pupal st fly populations should be no earlier than two weeks after treatment to assess the full benefit PRECAUTIC VARY STATEMENTS

HAZARDS TO HUMANS (& DOMESTIC ANIMALS) CAUTION: Avoid contact with eyes. In plenty of water, Get medical attention if irritation persists. Per sonal Protective Equipment: plenty of water. Get medical attention if initiation persists. Per Jonal Protective Equipment: to this product are listed below. If you want more options, follow the instructions for category selector, chart, Applicators and other handlers, must weer: long sleeved shirt and long i ploves, such as Buty, Nitrile, Barrier Laminate or Vitor (2:14 mils). Follow manufacturers in hot water. Keep and wash PPE separately from other laundry. DIRECTIONS FOR USE - GENERAL CLASSIFICATION: It is a violation of Federal law to us to the product a set part the second structure is a solution.

its fabeling. Do not apply this product through any type of irrigation system. Do not apply this product in a way that will contact workers or other persons, either directly or be in the area during application.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard requirements for the protection of agricultural workers on farms, forests, nurseries, and pesticides, "It contains requirements for training, decontamination, notification, and emergination and exceptions pertaining to the statements on this label about personal protective. The requirements in this box only apply to uses of this product that are covered by the Wor Do not enter or allow worker entry into treated areas during the restricted entry interval (RE to treated areas that is permitted under the Worker Protection Standard and that involves contained and that involves contained areas that is permitted under the Worker Protection Standard and that involves contained areas that is permitted under the Worker Protection Standard and that involves contained areas that is permitted under the Worker Protection Standard and that involves contained areas that is permitted under the Worker Protection Standard and that involves contained areas that is permitted under the Worker Protection Standard and that involves contained areas that is permitted under the Worker Protection Standard and that involves contained areas that is permitted under the Worker Protection Standard and that involves contained areas areas that is permitted under the Worker Protection Standard and that involves contained areas areas that is permitted under the Worker Protection Standard and that involves the Worker Protection Standard and that involves contained areas areas that is permitted under the Worker Protection Standard and that involves the Worker Protection Standard and that involves that the standard areas that is permitted under the Worker Protection Standard and that involves that the standard areas that is permitted under the Worker Protection Standard and that involves that the standard areas that is permitted under the Worker Protection Standard areas that is permitted under the Worker Protection Standard and that involves that the standard areas that is permitted under the Worker Protection Standard areas that is permitted under the Worker Protection Standard areas that the standard areas that the standard areas that as plants, soil, or water, is: coveralls, chemical-resistant gloves; such as Butyl or Ninie or E plus socks. Exception: if the product is soil injected or soil incorporated, the Worker Protect allows workers to entail the treated area if there will be no contact with anything that has be

METHOD, RATE, AND TIMING OF APPLICATION: For best results, APEX should be incore Follow either METHOD A, METHOD B, or METHOD C Application Instructions. A. INCORPORATE IN CASING AT TIME OF CASING.

Apply APEX 5E at the rate of 5 1/2 fluid oz, per 1000 sq ft. Make application evenly and

to the casing operation, or drench evenly onto the surface of the casing immediately and B. INCORPORATE IN COMPOST AT TIME OF SPAWNING AND IN CASING AT TIME OF In Compost: Apply APEX 5E at the rate of 5-1/2 fluid oz. per 1000 sq.ft. in adequate wate the surface of compost at the time of spawning and thoroughly incorporate using a spaw means

In Casing: Apply APEX 5E at the rate of 2-1/4 fluid oz, per 1000 sq tt. Make application material prior to the casing operation, or drench evenly onto the surface of the casing im C. COMPOST SURFACE DRENCH BEFORE CASING AND IN CASING AT TIME OF PLA

For those crops that have a 16 day or longer spawn run, a split application can be used First Application, on compost: Apply APEX 5E 12-13 days alter spawning. Drench APE fl oz per 1000 sq.ft. in adequate water for even distribution. Second Application, in casing: Apply APEX 5E at the rate of 2 3/4 fl. oz. per 1000 sq.ft. mix into casing material prior to the casing operation, or drench evenly onto the surface

place

MIXING AND HANDLING INSTRUCTIONS

1. Add the measured amount of APEX 5E to a spray tank partially filled with water, mix and of water.

2 Use diluted spray solution within 48 hours of mixing. Agitate before each use EFFECT ON MUSHROOMS

In most cases treatment with APEX SE has a beneficial effect on mushroom yield through co the widely differing practices followed in mushroom culture, the user should conduct test i reduced crop yields will not occur under his own cultural conditions.

STORAGE AND DISPOSAL: STORAGE: Store in a cool place. Pesticides in products Do not contaminate water, food or feed by storage or disposal. In case of spill or material DISPOSAL: Triple rinse or equivalent. Then offer for recycling or reconditionin landfill, or by other state and local procedures. Pesticide wastes can be toxic. Improper dis rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use accord Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the r

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