



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

MAR 24 1994

Harley D. Hathaway
COCHRAN CORPORATION
BOX 14603
MEMPHIS, TN 38114

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 12/20/93 in Response to PR Notice 93-7
EPA Reg. No. 57582-1
OFF-SHOOT-O

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.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

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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

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

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

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

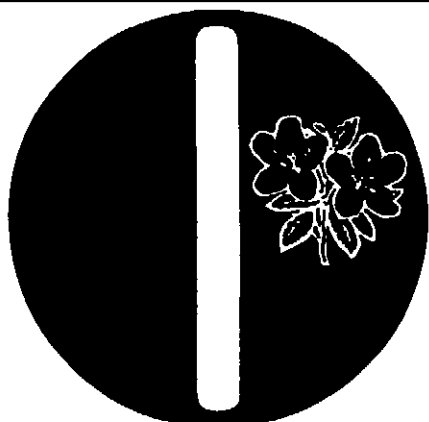
Harley D. Hathaway
COCHRAN CORPORATION
57582-1 12/20/93
OFF-SHOOT-O
Original Submission

User Safety Recommendations must either be placed in a box or printed on the label in a contrasting color from surrounding text.

You have incorrect wording in the second-to-last sentence in the first paragraph in the Agricultural Use Requirements box on your proposed label. The sentence must be as follows: "It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval."

Correct the typographical errors circled on your proposed label.

Off-Shoot-O



Chemical Pinching Agent for Ornamentals*

U.S. Patent 3,820,712 For Use on Azaleas, Camellias, Juniper, Ligustrum, Rhododendrons, and Taxus

CAUTION:

Keep out of the reach of children.
In case of eye contact, flush with plenty of water. Avoid inhalation of mist.
See side panel for additional precautionary statements.

Contents:

Active Ingredients
Methyl Esters of Fatty Acids
C₁₂-C₁₈
(C₁₂ 4%, C₁₄ 56%, C₁₆ 36%, C₁₈ 2%)

45%

Inert Ingredients

55%

Weight of Active Ingredients: 3.72 lbs. per gallon



Sold by The Cochran Corporation

2227 DEADRICK AVE. MEMPHIS, TN 38114-0603

EPA Registration No. 57582-1

EPA Est. 5805-AR-1

Net Contents: 1 U.S. Gallon

OFF-SHOOT-O is Cochran Corporation's Trademark for a Chemical Pinching Agent for Ornamentals

DISPATCH FROM THE

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

Do not apply this product in a way that will contact workers or other persons either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and special provisions for the protection of farm workers. The requirements in this label about personal protective equipment (PPE) are in addition to those required by the Worker Protection Standard.

Do not enter or allow worker entry into treated area during the restricted entry interval (REI) of 12 hours.

PPE required for early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- ~~Long-sleeved shirt and long pants~~
- ~~Gloves plus socks~~

Directions For Use: OFF-SHOOT-O, Chemical Pinching Agent for Ornamentals, is a carefully balanced combination of active ingredients and wetting agents to be used for the chemical pinching of woody ornamental plants. The concentrated product is diluted with water to form a stable emulsion which is applied as a foliar spray. The emulsion is effective only when it comes in direct contact with the growing tips; therefore, the spray is directed to provide maximum contact with these growing tips. On most varieties, the growing tip will darken within 24 hours of application. Care in use of the emulsion is essential for successful chemical pinching. Read label carefully prior to treating plants.

Application

1. Apply as a fine spray until the leaves glisten with emulsion or to the point of run-off. Avoid spraying excess but be sure all the growing tips are completely covered. Do not respray plants, one spray application per pinch is all that should be necessary.

2. Try several different concentrations on a few plants to arrive at the best concentration for the variety being sprayed. It is suggested that you (a) test spray in the morning; (b) check results in afternoon to determine which concentration is best for the variety being sprayed; and (c) schedule full-scale spraying the following day.

3. If an adjustment in spray concentration is needed, do not respray plants within 24 hours unless OFF-SHOOT-O has been washed from plants before respraying, be sure to test the new concentration on a few plants.

4. Plants are most responsive to OFF-SHOOT-O if they are turgid and in a rapid growth stage. It is, therefore, suggested that plants be watered the day before or morning of spraying; however, the plant foliage should be dry prior to application.

5. OFF-SHOOT-O should be applied at 20-40 pounds pressure. Lower pressures result in slower application rate and larger, less effective, droplet size.

6. To avoid foliar damage, spray from a distance of at least 12-18 inches from the plants when using pump-up sprayers, and 18-24 inches from the plants when using power spray equipment.

7. If you cannot cover bed in one pass, you should use shielding so that the plants already sprayed will not be retreated.

8. For plants sprayed in a greenhouse, good air movement in the house decreases the possibility of foliar burn.

9. Allow OFF-SHOOT-O to remain in contact with the plants 1 hour before watering.

10. (a) Do not mix with other chemicals such as insecticides and fungicides or apply other sprays within 48 hours of treatment with OFF-SHOOT-O. In no case should additional wetting agent or spreader be added to the emulsion. (b) Do not apply OFF-SHOOT-O following treatment with other chemicals such as insecticides and fungicides or other sprays until these chemicals have been thoroughly washed from the plants.

11. Temperature — Recommended dosages are for treatments conducted when the temperature is in the 60-85°F range.

12. Timing of Application — OFF-SHOOT-O is effective only when it comes in direct contact with the tips of actively growing plants; therefore, the timing of application can be very important in producing a compact, laterally branched plant.

RECOMMENDATIONS

Plant	Amount	Time of Application	Best Results Obtained When
Azaleas	2.5 oz/gal	Plants are actively growing	New shoots are 1"-2"
Camellias	2.5 oz/gal	Plants are actively growing	New shoots are 1"-2"
Juniper	2.5 oz/gal	Plants in state of vigorous growth	New shoots are less than 1"
Ligustrum	2.5 oz/gal	Plants in state of vigorous growth	New shoots are 1"-2"
Rhododendrons	2.5-3.5 oz/gal	Plants are actively growing	New shoots are 1"-2"
Taxus	2.5 oz/gal	Plants are actively growing	New shoots are 1"-2"

Plants growing rapidly respond to lower concentrations of OFF-SHOOT-O than do plants growing slowly. Substantial differences in response are noted among different types of woody ornamentals. This is true among varieties of the same type and also with the same variety grown under differing conditions (day length, temperature, fertilizer rate, light intensity, etc.). Therefore, it is important to test each variety each time a large group of plants is to be treated.

How to Mix

1. Place the required amount of OFF-SHOOT-O (as determined by pretesting) into a clean container.

2. Add an equal amount of water slowly while stirring.

3. Mix thoroughly.

4. Fill container to desired level with tap water.

5. Mix thoroughly.

The emulsion should be milky and stable. The above method provides proper particle size of the emulsion for optimum results.

Mixing Large Quantities

When mixing large quantities for power spraying OFF-SHOOT-O, premix required amount of OFF-SHOOT-O concentrate in a 5 or 10 gallon container. Place total amount of OFF-SHOOT-O in container. Add water slowly while thoroughly mixing until product turns and turns cloudy. This mixture is now ready to add to spray tank. Add cool water to required level. Agitate or recirculate to help obtain uniform spray mixture.

Notice

The use of concentrations or application techniques other than those described above may result in injury to the plants.

Please follow the above instructions carefully.

Neither The Cochran Corporation, nor the seller, makes any representation or warranty express or implied as to the product other than that contained on the label thereof and buyer assumes all responsibility of personal injury, property damage, or other loss resulting from use, handling or storage of the product and accepts and uses the material on these conditions.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS (A DOMESTIC ANIMALS) CAUTION

In case of eye contact, flush with plenty of water. Avoid inhalation of mist.

Personal Protective Equipment (PPE):

- Applicators and other handlers must wear:
- Long-sleeved shirt and long pants
- ~~Chemical-resistant gloves~~
- Short plus socks

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.

User Safety Recommendations:

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Keep out of lakes, ponds, or streams. Do not contaminate water by cleaning of equipment or disposal of wastes.

STORAGE AND DISPOSAL

Storage: Store in a clean dry area where glass containers will not be broken. Keep container closed. If leakage or spills occur, avoid splashing concentrated product in eyes. Excess product may be soaked up with absorbent material and incinerated when permitted. Wash area with soap and water and allow to dry. Wastes resulting from the use of the product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water, food or feed by storage or disposal. Container Disposal: Triple rinse (or equivalent). Then dispose of in a sanitary landfill or by other approved State and local procedures.

ACCEPTED
with COMMENTS
In EPA Letter Dated
MAR 24 1994

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
57582-1

BEST AVAILABLE COPY