

57582-1

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

MAY 30 2007

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Ms. Laura Blalock
Cochran Corporation
2227 Deadrick Avenue
P.O. Box 140606
Memphis, TN 38114-0606

Dear Ms. Blalock:

Subject: Off-Shoot-O
Label Amendment- Incorporating PR Notice 2001-1
EPA Registration No. 57582-1
Submission Dated: March 26, 2007

The amendment referred to above, submitted in connection with registration under the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), as amended is acceptable with the following provisions:

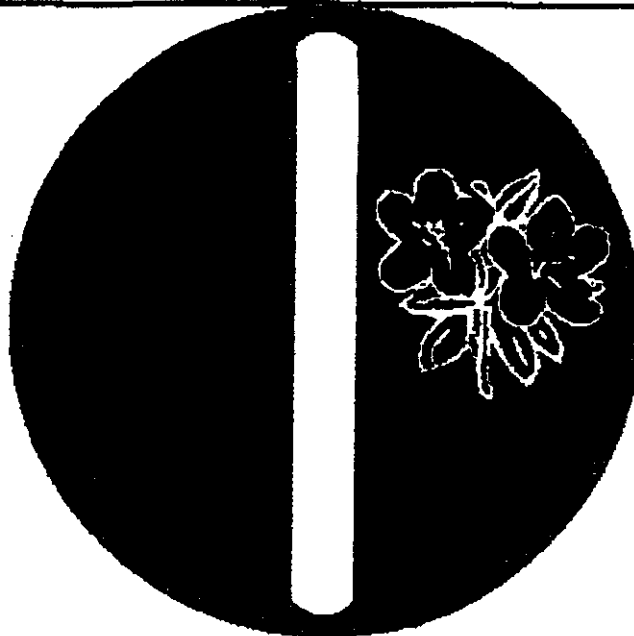
1. Move the *Agricultural Use Requirement* Box to the start of the "Directions for Use" section.
2. Move the *Hazards to Humans and Domestic Animals* heading and place before the First Aid section.

Please submit one (1) copy of the final printed labeling before you release the product for shipment.

Sincerely,

A handwritten signature in black ink, appearing to read "James A. Tompkins".
James A. Tompkins
Product Manager (25)
Herbicide Branch
Registration Division (7505P)

Off-Shoot-O[®]



Chemical Pinching Agent for Ornamentals*

U.S. Patent 3,620,712 *For use on Azaleas, Cotoneaster, Juniper, Ligustrum, Rhamnus, and Taxus.

**ACCEPTED
with COMMENTS
In EPA Letter Dated:**

MAY 30 2007

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

57502-1

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 First Aid and precautionary statements.

Contents:**Active Ingredients****Methyl Esters of Fatty Acids**

C8 - C12.....45%
(C₈ 4%, C₉ 56%, C₁₀ 38%, C₁₂ 2%)

Inert Ingredients.....55%

Weight of Active Ingredients: 3.72 lbs. per gallon



Sold by The Cochran Corporation
2227 Deadrick Ave. Memphis, TN 38114-0606

Net Contents: 1 U.S. Gallon

EPA Registration No. 57582-1

EPA Est. No. 43063-TN-01

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

DIRECTIONS FOR USE

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.

ENVIRONMENTAL HAZARDS

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

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage, disposal, or cleaning of equipment.

Pesticide 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.

Pesticide Disposal: Excess product may be soaked up with absorbent material and incinerated when permitted. Wash area with soap and water, rinse and allow to dry. Wastes resulting from use of the product may be disposed of on site or in an approved waste disposal facility.

Container Disposal: Triple rinse (or equivalent). Then dispose of in a sanitary landfill or by other approved State and local procedures.

DIRECTIONS FOR APPLICATION

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. 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 the 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 chemical 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 important in producing a compact, laterally branched plant.

RECOMMENDATIONS

Plant	Amount	Time of Application	Best Results Obtained When
Azalea:	2 - 5 fl. oz./qt.	Plants are actively growing	New shoots are 1" - 2"
Camellia:	2 - 3 fl. oz./qt.	Plants are actively growing	New shoots are 1" - 3"
Juniper:	3 - 5 fl. oz./qt.	Plants in state of vigorous growth	New shoots are less than 1"
Ligustrum:	3 - 5 fl. oz./qt.	Plants in state of vigorous growth	New shoots are 1" - 2"
Rhamnus:	1.5 - 3.0 fl. oz./qt.	Plants are actively growing	New shoots are 1" - 3"
Taxus:	2 - 4 fl. oz./qt.	Plants are actively growing	New shoots are 1/4" - 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 optimal results.

MIXING LARGE QUANTITIES

When mixing large quantities for 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 thins 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 plants.

Please follow the above instructions carefully.

Neither The Cochran Corporation, nor the seller, makes any representation or warranty, express or implied, as to this 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 product, and accepts and uses the material on these conditions. To the extent allowed by law, all such risks shall be assumed by the buyer.

PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals CAUTION	
FIRST AID	
If in eyes	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
If inhaled	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
If swallowed	Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
If on skin or clothing	Take off contaminated clothes. Rinse skin immediately with plenty of water for 15-20 minutes.
Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.	
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, notifications, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to users of this product that are covered by the Worker Protection Standard.	
Personal Protective Equipment (PPE): Applicators and other handlers must wear: > Long-sleeved shirt and long pants > Shoes plus socks, and > A NIOSH-approved respirator with —an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or —a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or —an organic-vapor cartridge or canister with any N, R or P or He prefilter. 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: > 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.	
Restricted Entry Interval (REI): Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.	