

57582-1

5/1/2012

1045



**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
**Office of Pesticide Programs**  
**Registration Division (7504P)**  
**Ariel Rios Building**  
**1200 Pennsylvania Ave., NW**  
**Washington, D.C. 20460**

EPA Registration  
Number:

57582-1

Date of Issuance:

MAY - 1 2012

**NOTICE OF PESTICIDE:**

☒ Registration  
☒ Reregistration

(under FIFRA, as amended)

Term of Issuance: **Unconditional**

Name of Pesticide Product:

**Off-Shoot-O**

Name and Address of Registrant (include ZIP Code):

The Cochran Corporation  
2777 Dadrick Ave.  
Memphis, TN 38114

**Note:** Changes in labeling 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 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. Registration is in no way to be construed as an endorsement or recommendation of this product by the 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.

EPA received a label amendment request submitted on 05/01/12. EPA grants this request under the authority of section 3(c)(5) of the Federal Insecticide, Fungicide and Rodenticide Act, as amended. With this accepted labeling, all requirements set forth in the Reregistration Eligibility Decision (RED) for **Aliphatic Esters (Methyl Esters of Fatty Acids)** have been satisfied. Therefore, EPA reregisters the product listed above. This action is taken under the authority of section 4(g)(2)(c) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

Submit one (1) copy of final printed labeling. Amended labeling will supersede all previously accepted labels. A copy of your label stamped "Accepted" is enclosed for your records. Products released for shipment after twelve (12) months from the date of this Notice or the next printing of your label, whichever occurs first, must bear the new revised label.

Signature of Approving Official:

Kable Bo Davis  
Product Manager 25  
Herbicide Branch  
Registration Division (7505P)

Date

MAY - 1 2012



# OFF-SHOOT-O

## HERBICIDE

### Chemical Pinching Agent for Ornamentals\*

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

#### Group 1 Herbicide

The product with this symbol on the label contains fatty alcohols, an active ingredient in Group 1; the mechanism of action is burning of the soft tissue of the shoots of the plant.

#### Active Ingredients

Methyl Esters of Fatty Acids C6 - C12.....45%

(C6 4%, C8 56%, C10 38%, C12 2%)

Other Ingredients.....55%

Total.....100%

Contains 3.72 lbs. Active Ingredients per gallon



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

EPA Registration No. 57582-1

EPA Est. No. 37360-TN-001

Net Contents: 1 U.S. Gallon

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

Agent

**Keep out of reach of children.**

**CAUTION:**

**ACCEPTED**

MAY - 1 2012

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

#### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

#### CAUTION

Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Harmful if inhaled. Avoid breathing vapor or spray mist. Causes moderate eye irritation. Wear goggles or face shield.

#### FIRST AID

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.
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, mouth-to-mouth, if possible. Call a poison control center or a doctor for further treatment advice.
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. Call a poison control center or doctor for treatment advice.
If swallowed	Call a 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.

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 1-800-7378.



### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are made of barrier laminated, nitrile rubber, neoprene rubber or Viton. For more options, follow the instructions for category E on the chemical-resistance category selection chart.

- All mixers, loaders, applicators and other handlers must wear:
- Long-sleeved shirt and long pants,
- Shoes plus socks,
- Chemical-resistant gloves made of any waterproof material.
- A NIOSH-approved respiration 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 HE pre-filter.

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 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 exist, use detergent and hot water. Keep and wash PPE separately from other laundry.
- Discard clothing and other absorbent materials that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

### USER SAFETY RECOMMENDATIONS

User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

User should 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 equipment wash waters.

### AGRICULTURAL USE REQUIREMENT

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

- coveralls
- shoe plus socks,
- chemical resistant gloves made of any waterproof material

Do not enter or allow workers entry into treated areas during the restricted entry interval (REI) of 12 hours



### 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.

**Non-refillable container.** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Then dispose of in a sanitary landfill or by other approved State and local procedures. Once cleaned, some agricultural plastic containers can be taken to a container collection site or picked up for recycling. To find nearest site, contact your chemical dealer or manufacturer.

### BATCH NUMBER:

### 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.

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 re-spray plants.
2. Only one spray application per pinch is necessary.
3. 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.
4. If an adjustment in spray concentration is needed, do not re-spray plants within 24 hours unless OFF-SHOOT-O has been washed from plants. Before re-spraying, be sure to test the new concentration on a few plants.
5. 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.
6. OFF-SHOOT-O should be applied at 20-40 pounds pressure. Lower pressures result in slower application rate and larger, less effective, droplet size.
7. To avoid foliar damage, spray from a distance of at least 12-18 inches from plants when using pump-up sprayers, and 18-24 inches from the plants when using power spray equipment.
8. If you cannot cover bed in one pass, you should use shielding so that the plants already sprayed will not be retreated.
9. For plants sprayed in a greenhouse, good air movement in the house decreases the possibility of foliar burn.
10. Allow OFF-SHOOT-O to remain in contact with the plants 1 hour before watering.
11. (a) Do not mix with other chemical such as insecticides and fungicides or apply other sprays when 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.



12. Temperature – Application rates are for treatments conducted when the temperature is in the 60-85°F range.
13. 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.

### 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.

### APPLICATION RATES

Plant	Amount	Time of Application	Best Results Obtained When
Azalea:	2-5 fl. oz/qt	Plants are actively growing	New shoots are 1" – 2"
Cotoneaster:	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 ¼" – ½"

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.

### 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 fullest extent of the law, the manufacturer shall not be liable for any personal injury, property damage, or other loss resulting from the use, handling, or storage of product.