

59823-1

05/15/2002

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

OFFICE OF  
PREVENTION, PESTICIDES  
AND  
TOXIC SUBSTANCES

Mr. James M. Wagner  
Reemay, Inc.  
70 Old Hickory Blvd.  
Old Hickory, TN 37138-3651

MAY 15 2002

Dear Mr. Wagner:

Subject: Label Revision Amendment - Revised Directions For Use,  
Ingredient Statement, First Aid Statements, And Submission  
Of Split Labeling  
Biobarrier Root Control System  
EPA Registration No. 59823-1  
Your Amendment Application Submission Dated  
January 17, 2002

The labeling, referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

- a. Under the headings entitled "**Precautionary Statements**" and succeeding the signal word "**CAUTION**," please incorporate the following precautionary statements:  
  
May cause moderate eye irritation. Harmful if inhaled, or absorbed through the skin. Do not get in eye, on skin or on clothing. The active ingredient, trifluralin, may cause skin sensitization reactions in certain individuals.
- b. Within the Agricultural Use Requirement box, revise "water proof gloves" to read as "chemical resistant gloves" in order to comply with the trifluralin RED.
- c. In compliance with the trifluralin RED, revise the Environmental Hazards to read as the following:

This pesticide is extremely toxic to freshwater marine, and estuarine fish and aquatic invertebrates including shrimp and oyster. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

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- 2. Please submit one (1) final printed copy of the referenced label, incorporating the above change, before releasing the product for shipment.

A stamped copy is enclosed for your records. The amended product labeling and basic CSF, dated 5/14/02, supercede all previously accepted ones. If you have any concerns or questions regarding this letter, please call Marcel Howard at (703)305-6784.

Sincerely yours,

Joanne I. Miller  
Product Manger (23)  
Herbicide Branch  
Registration Division (7505C)

Enclosures

Biobarrier draft label  
EPA Reg. No. 59823-1  
Jan 2, 2002

[ CENTER PANEL ]



Biobarrier is a multi-year root control system consisting of time-release nodules impregnated with a herbicide. The nodules are attached permanently to a flexible and permeable geotextile fabric which can be contour applied to a wide variety of applications and which will inhibit root encroachment in the applications set forth below.

Active Ingredient:	<u>Nominal</u>
Trifluralin ( $\alpha,\alpha,\alpha$ -trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine).....	17.5%
Inert Ingredients:.....	<u>82.5%</u>
TOTAL	100.0%

KEEP OUT OF REACH OF CHILDREN

**CAUTION**

May cause moderate eye irritation. Harmful if inhaled, or absorbed through the skin. Do not get in eyes, on skin or on clothing. The active ingredient, trifluralin, may cause skin sensitization reactions in certain individuals.

Use protective clothing such as long pants, long-sleeved shirt, and gloves when handling this product. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

See side panel for additional Precautionary Statements.



Mfg. By:

70 Old Hickory Blvd.  
Old Hickory, TN 37138  
1-800-257-6687

EPA Registration No. 59823-1  
Establishment No. 69823-TN-1

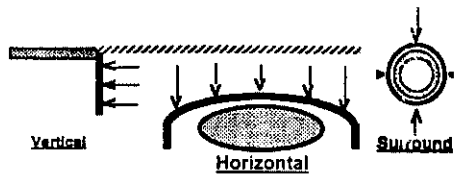
**ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
MAY 15 2002**

**Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
59823-1**

[ CENTER PANEL CONTINUED ]

## Biobarrier Applications

- |                             |                                |
|-----------------------------|--------------------------------|
| Bicycle Paths               | Roads                          |
| Building Foundations        | Roof Gardens                   |
| Burial Vaults/Tombstones    | Septic Tanks/Fields            |
| Curbs                       | Sidewalks                      |
| Golf Greens/Tees/Cart paths | Swimming Pools                 |
| Landfills                   | Tennis Courts                  |
| Medians                     | Underground Pipes/<br>& Cables |
| Planting Beds/Containers    | Utility Substations            |
| Retaining Walls             |                                |



**Biobarrier draft label  
EPA Reg. No. 59823-1  
Jan 2, 2002**

[ LEFT PANEL ]

**Precautionary Statements  
Hazards to Humans and  
Domestic Animals**

<b>First Aid</b>	
<b>If swallowed:</b>	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 a poison control center or doctor. -Do not give anything by mouth to an unconscious person.
<b>If in eyes:</b>	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.
<b>If on skin:</b>	If on skin or clothing: -Take off contaminated clothing. -Rinse skin immediately with plenty of water for 15-20 minutes. -Call a poison control center or doctor for treatment advice.
<b>If inhaled:</b>	If inhaled: -Move person to fresh air. -If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. -Call a poison control center or doctor for treatment advice.
<b>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</b>	

**Environmental Hazards:**

This pesticide is toxic to fish. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark.

**Physical Hazards:**

Do not 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.**

**STORAGE AND DISPOSAL**

Storage: Store in original container only. Store in dry place out of direct sunlight.

**Pesticide Disposal:** Do not contaminate water, food, or feed by storage or disposal. Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

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**Biobarrier draft label**  
**EPA Reg. No. 59823-1**  
**Jan 2, 2002**

[ LEFT PANEL CONTINUED ]

**Container Disposal:** Completely empty container. Then dispose of wrap and/or box in a sanitary landfill or by incineration, or, if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

**General Directions:**

Biobarrier® is a multi-year root control system which is strategically positioned in the soil to protect structures from plant root encroachment (see applications). Biobarrier controls roots by establishing an in-soil barrier plane of trifluralin, which prevents root tip cell division. Roots are either stopped or redirected away from structures. Trifluralin is not systemic but can limit root mass. The multi-year feature of Biobarrier is provided by a time-release mechanism which continues to meter trifluralin into the soil as the exposed trifluralin biologically and chemically degrades. Structure protection is provided by placing the Biobarrier fabric between the root source and the structure. Since the fabric is flexible and permeable, installation may be custom contoured to obtain the most desirable root system redirection for the application and/or to accommodate obstacles.

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**Biobarrier draft label  
EPA Reg. No. 59823-1  
Jan 2, 2002**

[ RIGHT PANEL ]

**Installation Directions:**

Biobarrier® is ready for in-soil installation as received. The fabric should be in soil as soon as practical after removal from the sealed shipping container, minimizing exposure to direct sunlight and elevated temperatures. Prolonged exposure can reduce the effective life of the product. Biobarrier® should not be installed in water. Store any unused portions of the product tightly resealed in the original container in a dry place.

Biobarrier can be installed in the soil vertically, horizontally, or as a surround. Vertical applications typically require standard ditch/trench digging equipment (follow all applicable codes when digging below surface). Vertical fabric position can be maintained by suspending it at the top with hangers. Horizontal applications may require seaming or hold down pegs. Surround applications may involve a variety of holding devices to assure fabric position. In all applications, nodules must be no further than one and one-half inches apart in order to assure a continuous root control plane. Fabric should extend a minimum of 18" beyond structure area to be protected as roots can grow around edges of fabric. For vertical applications, the top edge must be even with the soil surface. A minimum of 2" soil overlay should also be maintained for horizontal applications.

Biobarrier, used in retrofit applications where roots are already present, requires roots be interrupted with a root pruner or equivalent device and removed. Root control will not be effective if roots penetrate fabric at time of installation.

(SEE ADDITIONAL DIRECTIONS ENCLOSED)

***Disclaimer of Warranties***

The Seller makes no warranties concerning this product or its use which extend beyond the standard specifications for the products. **The Seller makes no warranties of merchantability or fitness for a particular purpose, or any other express or implied warranty.**

Buyer assumes all risk and liability resulting from use of the products delivered hereunder, whether used singularly or in combination with other products. All statements concerning this product apply only when used as directed.

***Limitation of Damages***

No claim of any kind, whether as to products delivered or for nondelivery of products, and whether or not based on negligence, shall be greater in amount than the purchase price of the products in respect to which damages are claimed. No charge or expense incident to any claims will be allowed unless approved by an authorized representative of Seller. Products shall not be returned to seller without Seller's prior permission, and then only in a manner prescribed by Seller. **The remedy hereby provided shall be the exclusive and sole remedy of Buyer, and in no event shall either party be liable for special, indirect or consequential damages, whether or not caused by or resulting from the negligence of such party.**

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Biobarrier draft label – Pot 'N Pot  
Dec 21, 2001

**Bio barrier<sup>®</sup>**  
**Pot 'N Pot**

**Root Control System for Container Grown Ornamentals**

Biobarrier<sup>®</sup> is a multi-year root control system consisting of time-release nodules impregnated with a herbicide. The nodules are attached permanently to a flexible and permeable geotextile fabric.

Active Ingredient:

Trifluralin ( $\alpha,\alpha,\alpha$ -trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)..... 17.5%

Inert Ingredients:..... 82.5%

TOTAL 100.0%

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

May cause moderate eye irritation. Harmful if inhaled, or absorbed through the skin. Do not get in eyes, on skin or on clothing. The active ingredient, trifluralin, may cause skin sensitization reactions in certain individuals.

**See Side Panel for Additional Precautionary Statements.**



Mfg. By:

70 Old Hickory Blvd.  
Old Hickory, TN 37138  
1-800-257-8687

EPA Registration No. 59823-1

Establishment No. 69823-TN-1

**ACCEPTED**  
**with COMMENTS**  
**In EPA Letter Dated**  
**MAY 15 2002**

**Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
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59823-1**



**Biobarrier draft label – Pot 'N Pot  
Dec 21, 2001**

**Precautionary Statements  
Hazards to Humans and  
Domestic Animals**

**CAUTION**

<b>First Aid</b>	
<b>If swallowed:</b>	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 a poison control center or doctor. -Do not give anything by mouth to an unconscious person.
<b>If in eyes:</b>	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.
<b>If on skin:</b>	If on skin or clothing: -Take off contaminated clothing. -Rinse skin immediately with plenty of water for 15-20 minutes. -Call a poison control center or doctor for treatment advice.
<b>If inhaled:</b>	If inhaled: -Move person to fresh air. -If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. -Call a poison control center or doctor for treatment advice.
<b>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</b>	

**PERSONAL PROTECTIVE EQUIPMENT**

Applicators and all other handlers must wear:

- Long-sleeved shirt and long pants
- Socks and shoes and
- Water proof gloves

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**

Users 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.

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**Biobarrier draft label – Pot 'N Pot  
Dec 21, 2001**

**Environmental Hazards:**

This pesticide is toxic to fish. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark.

**Physical Hazards:**

Do not 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.**

The Worker Protection Standard applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not apply this product in a way that will contact workers or other persons. 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, 40 CFR 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 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 uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. Exception: if the product is soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter treated area if there will be no contact with anything that has been treated.

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

- coveralls
- water proof gloves
- shoes plus socks

**STORAGE AND DISPOSAL**

**Storage:** Store in original container only. Store in dry place out of direct sunlight.

**Pesticide Disposal:** Do not contaminate water, food, or feed by storage or disposal. Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

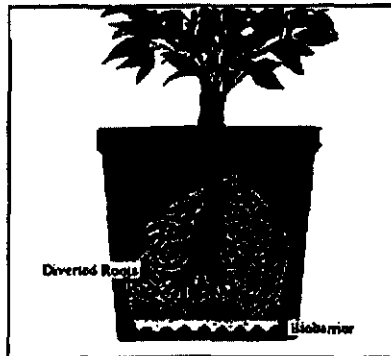
**Container Disposal:** Completely empty container. Then dispose of wrap and/or box in a sanitary landfill or by incineration, or, if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

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**Biobarrier draft label – Pot 'N Pot**  
**Dec 21, 2001**

**General Directions:**

Biobarrier® Pot 'N Pot is for use in the production of ornamental plants grown in pots in nurseries, greenhouses, and shadehouses. For the Pot 'N Pot system of production, install Biobarrier on the inside bottom of the larger pot and then insert the smaller pot containing the plants. Biobarrier prevents roots from growing through the pot drain holes. With the use of Biobarrier less labor is required for harvesting and less damage is caused to roots as plants are removed.



Nursery Potting

***Disclaimer of Warranties***

The Seller makes no warranties concerning this product or its use which extend beyond the standard specifications for the products. **The Seller makes no warranties of merchantability or fitness for a particular purpose, or any other express or implied warranty.**

Buyer assumes all risk and liability resulting from use of the products delivered hereunder, whether used singularly or in combination with other products. All statements concerning this product apply only when used as directed.

***Limitation of Damages***

No claim of any kind, whether as to products delivered or for nondelivery of products, and whether or not based on negligence, shall be greater in amount than the purchase price of the products in respect to which damages are claimed. No charge or expense incident to any claims will be allowed unless approved by an authorized representative of Seller. Products shall not be returned to Seller without Seller's prior permission, and then only in a manner prescribed by Seller. **The remedy hereby provided shall be the exclusive and sole remedy of Buyer, and in no event shall either party be liable for special, indirect or consequential damages, whether or not caused by or resulting from the negligence of such party.**