

PM21 11688-3

FILE 1078



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

FEB 10 1994

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

KAREN E. WARKENTIEN  
W.R. GRACE & COMPANY - CONN.  
7379 RT 32  
COLUMBIA, MD. 21044

Subject: Label Amendment Submission of 9/21/93 In Response to PR Notice 93-7  
EPA Reg. No. 11688-3  
WRC-AP-1

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 SoyCandia Ink on paper that  
contains at least 50% recycled fiber

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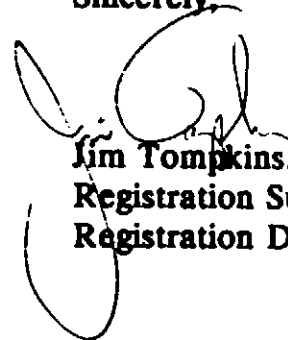
Submit the final printed labeling via the U.S. Postal Service to:

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division

Karen E. Warkentien  
W.R. GRACE & CO - CONN  
7379 RT 32  
COLUMBIA MD 21044

Comment for: EPA Reg Nr.11688-3  
WRC-AP-1

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

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

The Agricultural Use Requirements section must be located in a clearly separate box on the product labeling -- with lines or other graphic indicators (such as contrasting color) to separate the section from the surrounding text.

Delete the crossed-out statements on your proposed label. They are redundant statements or phrases.

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# WRC-AP-1

Biological/Microbial Fungicide for the Control of "Damping-Off" and Root Rot Pathogens of Ornamental and Food Crop Plants Grown in Greenhouses, Nurseries, Homes, and Interiorscapes

Active Ingredient:		
<i>Gliocladium virens</i> GL-21		12%*
Inert Ingredients		<u>88%</u>
	TOTAL	100%

\*Contains 1 x 10<sup>6</sup> CFU/g

KEEP OUT OF REACH OF CHILDREN

## CAUTION

Avoid contact with skin, eyes, or clothing. ~~Wear goggles and rubber gloves when handling and mixing.~~ In cases of contact, flush eyes or skin with plenty of water. Get medical attention if irritation persists. ~~Wash clothing before reuse.~~

### MANUFACTURED BY:

W.R. Grace & Co.—Conn.  
7379 Route 32  
Columbia, MD 21044

EPA REG. NO. 11688-3

EPA EST. NO. \_\_\_\_\_

Net Contents: \_\_\_\_\_

Lot No.: \_\_\_\_\_

ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
**FEB 10 1994**  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
11688-3

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**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.

**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-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the 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 plants, soil, or water is:

- Coveralls
- Waterproof gloves
- Shoes plus socks
- Protective eyewear.

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**General:**

*Gliocladium virens*, the active component in WRC-AP-1, is a naturally-occurring, nonphytotoxic soil fungus which is antagonist to plant pathogenic fungi such as *Pythium* and *Rhizoctonia*, thereby aiding in control of these "damping-off" and root rot pathogens. WRC-AP-1 is a granular formulation containing a high concentration of *Gliocladium* spores suitable for incorporation into soil or soilless media under non-terrestrial growing conditions. WRC-AP-1 acts as a preventative and will protect noninfected plants. It may not, however, cure already diseased plants. Where

possible, allow the treated soil or media to incubate for 1 day prior to planting to achieve best results. Do not use other soil fungicides with WRC-AP-1 at time of incorporation. Later, addition of fungicide is acceptable but usually unnecessary. Best results are achieved if the contents of an open package are used within three months. Be careful to seal out moisture from the unused material by closing the inner bag tightly.

#### **FOR INCORPORATION INTO GROWING MEDIA:**

##### **Commercial Use**

##### **Directions for 2.5 lb package**

WRC-AP-1 should be thoroughly incorporated into soil or soilless growing media at the rate of 1 to 1.5 lb per cubic yard. One packet (2.5 lb) at the 1.0 to 1.5 lb rate will treat 2.2-1.5 cubic yards. It is recommended to add WRC-AP-1 when soilless media are being blended by mechanical devices, mixed into the media during pot filling, or raked into soil beds by hand or tiller. It is important that WRC-AP-1 be uniformly incorporated into the growing media to provide the best performance possible. After incorporation and one day incubation, plant seeds, tissue culture transplants, bulbs, rooted cuttings, or potted plants into the treated media.

##### **Directions for 25 lb package**

WRC-AP-1 should be thoroughly incorporated into soil or soilless growing media at the rate of 1 to 1.5 lb per cubic yard. One bucket (25 lb) at the 1.0 to 1.5 lb rate will treat up to 25 cubic yards of media. It is recommended to add WRC-AP-1 when soilless media are being blended by mechanical devices, mixed into the media during pot filling, or raked into soil beds by hand or tiller. It is important that WRC-AP-1 be uniformly incorporated into the growing media to provide the best performance possible. After incorporation and one day incubation, plant seeds, tissue culture transplants, bulbs, rooted cuttings, or potted plants into the treated media.

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**Home Use**

**Directions for 0.07 oz package**

WRC-AP-1 should be thoroughly blended with growing media at the rate of 1 to 1.5 lb per cubic yard of media. One 0.07 oz packet (2 grams) will treat one 8 inch pot. To apply WRC-AP-1, fill a clean 8 inch pot 3/4 full with potting soil and spread contents of WRC-AP-1 packet onto soil and mix thoroughly with a small spade. It is important that WRC-AP-1 be uniformly mixed into the media to provide the best performance possible. Seeds, bulbs, transplants, or plants for repotting can then be placed into the pot. Moisten the media with water and keep moist (but not wet) for the next three days. The protective fungus will spread throughout the root system of the plant protecting it from disease organisms.

**Directions for 0.54 oz package**

WRC-AP-1 should be thoroughly blended with growing media at the rate of 1 to 1.5 lb per cubic yard of media. One 0.54 oz packet (15 grams) will treat a 1/2 cubic foot bag of media, enough to fill 9 six inch pots. To apply WRC-AP-1, empty a 20 lb bag of potting soil into an empty 5 gallon bucket. Spread contents of one packet of WRC-AP-1 onto soil in bucket and mix thoroughly with a spade or shovel. Alternatively, a corner can be cut from the potting soil bag and WRC-AP-1 can be incorporated by shaking, stirring, or kneading the bag. It is important that WRC-AP-1 be uniformly mixed into the media to provide the best performance possible. Soil can then be placed into pots followed by seeds, bulbs, transplants, or plants for repotting. Moisten the media with water and keep moist (but not wet) for the next three days. The protective fungus will spread throughout the root system of the plant protecting it from disease organisms.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Avoid contact with skin, eyes, or clothing. ~~Wear goggles and rubber gloves when handling and mixing.~~ In case of contact, flush eyes or skin with plenty of water. Get medical attention if irritation persists. ~~Wash clothing before reuse.~~

**Personal Protective Equipment:**

- Applicators and other handlers must wear:**
- Long-sleeved shirt and long pants,
- Waterproof gloves.
- Shoes plus socks.
- Protective eyewear.

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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.

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the high water mark. Do not contaminate water when disposing of equipment washwaters.

**STORAGE AND DISPOSAL**

Store in a cool, dry place away from direct sunlight. Do not contaminate water, food or feed by storage or disposal. Unused or outdated product may be disposed of on-site or at an approved waste disposal facility in accordance with applicable federal, state and local regulations.

Empty containers should be discarded in a sanitary landfill, by incineration, or if allowed by local law, by burning. If burned, stay away from the smoke.

**WARRANTY**

This material conforms to the description on the label and is reasonably fit for the purposes referred to in the directions for use. Timing and method of application, weather, watering practices, nature of soil, the disease problem, condition of the crop, incompatibility with other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage, or handling of this materials not in strict accordance with directions given herein. NO OTHER EXPRESS OR IMPLIED WARRANTY OF THE FITNESS OF MERCHANTABILITY IS MADE.

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