

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Richard M. Gorrell
Bayer Environmental Science
95 Chestnut Ridge Road
Montvale, New Jersey 07645

DEC 1 2003

Subject: Aliette® HG Brand Fungicide
EPA Registration No. 432-897
Your label amendment application dated July 23, 2003

Dear Mr. Gorrell,

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

1. Make the following changes to the label:
 - a. Following the last statement that occurs in the "If swallowed:" subsection of the "FIRST AID" section of the proposed label, add the statement " Do not give anything by mouth to an unconscious person.", bulleted, if desired.
 - b. In the "If in eyes:" subsection of the "FIRST AID" section, at the end of the first bulleted item, add "eye" after "continue rinsing".
 - c. At the end of the second to the last sentence in the "FIRE BLIGHT SUPPRESSION" section, the sentence has been changed from "...at 7 day intervals until bloom period ends." to "...at 7 day intervals until bloom periods." We believe that this should be changed back to the wording on the last accepted version of the label.
 - d. In the second to the last sentence in the "BACTERIAL BLIGHT SUPPRESSION" section, change "...exceed one application on every 7 days." back to "...exceed one application every 7 days."

- e. In the first sentence in the "ORNAMENTAL AND BEDDING PLANT TANK MIXTURES" section, change "If ornamentals are threatened but additional diseases" back to "If ornamentals are threatened by additional diseases".
 - f. In the second paragraph of both the "COMPATIBILITY FOR ORNAMENTALS" and "COMPATIBILITY FOR TURF" sections, in the second to the last sentence change "If any indication of physical incompatibility develop,..." to "If any indication of physical incompatibility develops,...".
 - g. In the second sentence in the "COMPATIBILITY FOR ORNAMENTALS" section, change "...and copper based compounds less than 7 days intervals." back to "...and copper based compounds at less than 7 days intervals."
 - h. In the first sentence in the "TURF" section, change "ALIETTE® HG is a system fungicide..." back to ALIETTE® HG is a systemic fungicide...".
 - i. In the last sentence in the "COMPATIBILITY FOR TURF" section, change "Do not feed clipping from..." to "Do not feed clippings from...".
2. Submit one copy of your final printed labeling before you release the product for shipment.

If you have any questions about this letter, please contact John Bazuin at (703)305-7381.

Sincerely yours,

/s/

Cynthia Giles-Parker
Product Manager (22)
Fungicide Branch
Registration Division (7505C)

Attachment: Label stamped "ACCEPTED with COMMENTS"

Aliette® HG Brand Fungicide

Active Ingredient: Aluminum tris (O-ethyl phosphate)..... 80.0%
Inert Ingredients: 20.0%

EPA Reg. No. 432-897

EPA Est. No.

Keep Out of Reach of Children

Caution

For MEDICAL and TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577.
For PRODUCT USE Information 1-800-331-2867.

FIRST AID

If swallowed:	<ul style="list-style-type: none"> • 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 by a poison control center or doctor.
If in eyes:	<ul style="list-style-type: none"> • Hold eyes 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. • Call a poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none"> • 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.
If inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

PRECAUTIONARY STATEMENTS

CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed or absorbed through the skin or inhaled. Causes moderate eye injury. Avoid contact with skin, eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistant category selection chart. Applicators and other handlers must wear long-sleeved shirt and long pants, chemical resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride, shoes plus socks, and protective eyewear.

Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic animals and estuarine invertebrates. Drift and runoff may be hazardous to aquatic and estuarine organisms in neighboring areas. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by disposal of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read entire label before using this product.

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.

STORAGE AND DISPOSAL

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

PESTICIDE**STORAGE:**

Store in original container and keep tightly closed. Store in a cool dry place.

PESTICIDE DISPOSAL:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL:

PLASTIC CONTAINER: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by incineration, if allowed by state and local authorities by burning. If burned, stay out of smoke.

BAG: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, if allowed by State and local authorities by burning. If burned, stay out of smoke.

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

DEC 1 - 2003

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

432-897

Ornamentals and Bedding Plants

For use only on ornamental plants grown in landscaping situations.

Use ALIETTE® HG Fungicide on ornamentals and bedding plants grown in landscaping situations, for control of diseases caused by Pythium and Phytophthora. ALIETTE® HG Fungicide can also be used on ornamentals for the control of downy mildew and fire blight and for the suppression of bacterial blight caused by certain pathovars of *Xanthomonas campestris*. Applications should be made prior to disease

development and in conjunction with good cultural management practices. Thorough uniform coverage of plant surfaces is important for good disease control. Use the higher rate when disease pressure is severe. Do not exceed recommended rates or apply more frequently than specified intervals or plant injury may occur.

Ornamentals

FOLIAR APPLICATIONS to plants such as Aglaonema, Aphelandra, Azalea, Bougainvillea, Boxwood, Cattelya skinneri, Cissus, Dieffenbachia, Hibiscus, Juniper, Leather-leaf Fern, Pittosporum, Philodendron, Pothos, Rhododendron, Spathiphyllum and Taxus media.

Mix 1.5 to 3.0 tablespoons of product with 1 gallon of water and spray to wet, ensuring good coverage. Repeat as necessary but do not exceed one application every 30 days.

DRENCH APPLICATIONS to plants such as Aphelandra, Azalea, Boxwood, Cissus, Dieffenbachia, Japanese Holly, Juniper, Monterey Pine, Philodendron, Pieris, Pittosporum, Rhododendron, Schefflera, Spathiphyllum, and Taxus media:

Mix 0.25 to 0.5 tablespoons of product with 1 gallon of water and apply to 4 sq. ft. (equivalent to 2 pt. Solution per sq. ft.) Repeat as necessary but do not exceed one application every 30 days.

SOIL INCORPORATION to plants such as Rhododendron, Azalea, or Pieris for control of Phytophthora species only:

Mix 0.3 to 0.5 tablespoons of dry product per cubic yard of soil mix immediately before planting. If conditions are favorable for disease development, applications as a foliar spray or drench should be made as needed but are not to exceed once every 30 days. Use soil incorporation only with well-rooted plants.

Bedding Plants

FOLIAR APPLICATIONS to plants such as Begonia, Pansy, Vinca, Marigold, Zinnia, Petunia, Geranium, and Impatiens:

Mix 1.0 to 2.0 tablespoons of product with 1 gallon of water and spray to wet, ensuring good coverage. Repeat as necessary but do not exceed one application every 30 days.

FOR USE ON CONIFERS TO PREVENT PHYTOPHTHORA ROOT ROT

FOLIAR APPLICATIONS to conifers such as Douglas firs, spruce, and pines. Mix 1.5 to 3.0 tablespoons of product in 1 gallon of water and spray to wet, ensuring good coverage. Do not exceed more than one application every 30 days.

DOWNY MILDEW CONTROL IN ROSES

FOLIAR APPLICATIONS TO ROSES: container, landscape and mini varieties to control downy mildew (*Peronospora sparsa*). Applications should be made in conjunction with a disease sanitation program to reduce the spread of disease to uninfected plants.

Mix 1.5 tablespoons of product with 1 gallon of water and spray to wet, ensuring good coverage. Repeat as necessary but do not exceed one application every 7 days.

FIRE BLIGHT SUPPRESSION

FOLIAR APPLICATIONS to plants such as Ornamental pear, Pyracantha and Hawthorne. Applications should be made in conjunction with a strict sanitation program to reduce the spread of the disease to uninfected plants.

Mix 1.5 tablespoons of the product in 1 gallon of water and spray to wet, ensuring good coverage. ALIETTE® works solely as a preventive treatment. Begin spray treatments at pre-bloom stage and continue at 7 day intervals until bloom periods. Do not exceed one application every 7 days.

BACTERIAL BLIGHT SUPPRESSION

FOLIAR APPLICATIONS to plants such as English ivy, Schefflera, Anthurium, Dieffenbachia, Spathiphyllum, Synogonium, and Ficus for the suppression of Xanthromonas campestris pathovars hederiae, dieffenbachiae, syngoni and fici. Applications should be made in conjunction with a disease sanitation program to reduce the spread of the disease to uninfected plants.

Mix 1.5 to 2.0 tablespoons of product with 1 gallon of water and spray to wet, ensuring good coverage. Repeat as necessary, but do not exceed one application on every 7 days. Refer to compatibility statements concerning use of coppers or other compounds.

PLANT TOLERANCE

Plant tolerances to ALIETTE® HG fungicide have been found to be acceptable in the specific genera and species listed on this label. It is not possible to evaluate every species or variety of ornamental plant for its tolerance to ALIETTE® HG fungicide. The user should test for possible phytotoxic responses in other plants on a small area basis using recommended rates prior to commercial use.

ORNAMENTAL AND BEDDING PLANT TANK MIXTURES

Additional Disease Control: If ornamentals are threatened but additional diseases, ALIETTE® HG is compatible with most commonly used fungicides. For control of diseases such as Aerial Web Blight, Alternaria Leaf Blight, Botrytis Blight, Fusarium Leaf Spot, Helminthosporium Leaf Spot, and Ray Blight, ALIETTE® HG can be tank-mixed with other fungicides. Consult the label of the tank mix product for an additional listing of diseases controlled and for application rates.

When ALIETTE® HG is tank-mixed with other fungicides, follow label directions for the use of that product and apply at the recommended rate for control of the target disease organism. ALIETTE® HG is not compatible with the flowable formulation of Daconil 2787. These products should not be combined for application.

COMPATIBILITY FOR ORNAMENTALS

ALIETTE® HG may not be compatible with foliar fertilizer or with copper based fungicides. To avoid undesirable copper phytotoxicity, do not apply ALIETTE® HG and copper based compounds less then 7 days intervals. Do not mix ALIETTE® HG with any sticker, extender or wetting agent.

To determine the physical compatibility of ALIETTE® HG with any other product, use a small container to mix a small amount (e.g. 1 pint) of spray solution, containing all ingredients in the same order as ratio as the anticipated use. If any indication of physical incompatibility develop, do not use this mixture for spraying. Indication of incompatibility usually appears within 5-15 minutes after mixing. Read and follow all directions and precautions on this label and on the labels of any products for which a tank mixture is being considered.

ALIETTE® HG is not physically compatible with flowable formulations of Daconil 2787 fungicide as a tank mixture. These products should not be combined for application.

TURF

ALIETTE® HG is a system fungicide which may be used in a seasonal program for the control of Pythium diseases, such as blight and root rot, and Yellow Tuft on common turfgrasses on golf courses and lawns. Apply as a foliar spray, using 1 to 5 gallons of water per 1,000 sq. ft., as indicated in the table below. Apply with a properly calibrated sprayer

Disease	Interval of Applications	Rate
		Oz. Product/1,000 ft ²
Pythium diseases, Yellow Tuft	14 days	4.0
	21 days	8.0

Begin preventive applications when conditions first favor disease and repeat at recommended interval. Do not mow and/or water treated areas until foliage is completely dry. Maintain agitation during spray operations.

COMPATIBILITY FOR TURF

ALLETTE® HG may not be compatible with foliar fertilizers or with copper based fungicides. Do not mix ALLETTE® HG with any sticker, extender or wetting agent.

To determine the physical compatibility of ALLETTE® HG with any other product, use a small container to mix a small amount (e.g. 1 pint) of spray solution, containing all ingredients in the same order and ratio as the anticipated use. If any indication of physical incompatibility develop, do not use this mixture for spraying. Indication of incompatibility usually appears within 5-15 minutes after mixing. Read and follow all directions and precautions on this label and on the labels of any products for which a tank mixture is being considered.

ALLETTE® HG is not physically compatible with flowable formulations of Daconil 2787 fungicide as a tank mixture. These products should not be combined for application.

Do not graze animals on treated turf. Do not feed clipping from treated turf to livestock and poultry.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, and Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.

CONDITIONS; The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather and soil conditions, manner of use and other factors beyond Bayer Environmental Science's control, it is impossible for Bayer Environmental Science to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Aventis Environmental Science is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. Bayer Environmental Science disclaims any liability whatsoever for incidental or consequential damages, including, but not limited to, liability arising out of breach of contract, express or implied warranty (including warranties of merchantability and fitness for a particular purpose), tort, negligence, strict liability or otherwise.

LIMITATIONS OF LIABILITY: THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER ENVIRONMENTAL SCIENCE'S ELECTION, THE REPLACEMENT OF PRODUCT.

©Bayer AG, 2002

Aliette and Chipco are Registered Trademarks of Bayer AG
Daconil is a Registered Trademark of Syngenta Corporation

Bayer Environmental Science

A Business Group of Bayer CropScience LP
95 Chestnut Ridge Road
Montvale, NJ 07645

EPA Alette HG Master 7-23-03