

432-890

10-29-2001

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

OCT 29 2001

Richard M. Gorrell  
Aventis Environmental Science USA, LP  
95 Chestnut Ridge Road  
Montvale, New Jersey, New Jersey 07645

Subject: Aliette® WDG brand Fungicide  
EPA Registration No. 432-890  
Your label amendment application dated August 20, 2001

Dear Mr. Gorrell,

The amended 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 following changes to the label:
  - a. In the "STORAGE AND DISPOSAL" section, add a "STORAGE" subsection and provide appropriate instructions to it.
  - b. In the second sentence in the "CONTAINER DISPOSAL/ PLASTIC CONTAINER" subsection, change "...or incineration..." to "...or by incineration...".
  - c. In the last statement in the "If swallowed:" subsection of the "FIRST AID" section, change "...unless told t by a..." to "...unless told to by a...".
2. Submit one copy of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration may be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely yours,

CS/

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

Attachment: Label stamped "ACCEPTED with COMMENTS"

# ALIETTE® WDG brand Fungicide

ACTIVE INGREDIENT: Aluminum tris (O-ethyl phosphonate).....	80.0%
OTHER INGREDIENTS:.....	20.0%
<b>TOTAL 100.0%</b>	

E. P. A. REG. NO. 432-890

E. P. A. EST. NO. 477-MD-01  
65387-AR-002

## 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 Call 1-800-331-2867.

### FIRST AID

If swallowed:	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to by a poison control center or doctor.</li> </ul>
If in eyes:	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If on skin:	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If inhaled:	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>

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 PPE clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

#### ENVIRONMENTAL HAZARDS

This product is toxic to aquatic 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.

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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.

Read entire label before using this product.

This Supplemental Label must be in possession of the user at the time of pesticide application.

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 of 12 hours.

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, chemical resistant gloves made of any waterproof material, shoes plus socks, and protective eyewear.

### NON AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Keep unprotected persons out of the treated areas until sprays have dried.

### STORAGE AND DISPOSAL

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

#### 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 incineration or, 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 or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

### DIRECTIONS THROUGH SPRINKLER IRRIGATION SYSTEMS

Apply this product only through sprinkler irrigation systems including microjet, drip, solid set and center pivot. Do not apply this product through any other type of irrigation system.

**SPRAY PREPARATION:** Remove scale, pesticide residues, and other foreign matter from the chemical tank and entire injector system. Flush with clean water.

**APPLICATION INSTRUCTIONS:** First prepare a suspension of ALIETTE® WDG in a mix tank. Fill tank with 1/2 to 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Add the required amount of ALIETTE® WDG, and then the remaining volume of water. Then set sprinkler to deliver 0.1 to 0.3 inch of water per acre. Start sprinkler and uniformly inject the suspension of ALIETTE® WDG into the irrigation water line so as to deliver the desired rate per acre. The suspension of ALIETTE® WDG should be injected with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. If you should have any other questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

**NOTE: For Microjet and Drip Irrigation Systems:** When treatment with ALIETTE® WDG has been completed, further field irrigation over the treated area should be avoided for 24 to 48 hours. **For Solid Set and Center Pivot Irrigation Systems:** When treatment with ALIETTE® WDG has been completed, further field irrigation over the treated area should be avoided until foliage is dry to prevent washing the chemical off the plants.

### GENERAL PRECAUTIONS FOR APPLICATIONS THROUGH SPRINKLER IRRIGATION SYSTEMS

Maintain continuous agitation in mix tank during mixing and application to assure a uniform suspension.

The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed solenoid operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shutdown. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e. g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift, when system connection or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product must be dismantled and drained.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop may result from nonuniform distribution of treated water. Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation shall shut the system down and make necessary adjustments should the need arise. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.

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### ORNAMENTALS AND BEDDING PLANTS

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Use ALIETTE® WDG Fungicide on ornamentals and bedding plants grown in field nursery, greenhouse, landscaping and conifer nursery situations, for control of diseases caused by Pythium and Phytophthora. ALIETTE® WDG 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 should be made in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Do not exceed recommended rates or apply more frequently than at specified intervals or plant injury may occur.

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#### ORNAMENTALS

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**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 2.5 to 5.0 lbs. of product with 100 gallons of water and spray to wet using no more than 400 gallons of spray per acre. 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 0.4 to 0.8 lbs. (6.4 to 12.8 oz.) of product with 100 gallons of water and apply to 400 sq. ft. (equivalent to 2 pts. 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 0.5 to 0.8 lbs. (8 to 12.8 oz.) of product per cubic yard of soil mix immediately before potting. 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.

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#### BEDDING PLANTS

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

Mix 1.25 to 4 lbs of product with 100 gallons of water and spray to wet using no more than 400 gallons of water per acre. Repeat as necessary but do not exceed one application every fourteen days.

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#### FOR USE ON CONIFERS IN NURSERIES\* TO PREVENT PHYTOPHTHORA ROOT ROT

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**DIP TREATMENTS** to conifers such as Douglas firs, spruce and pines. Dip transplants in 2.5 lbs. product per 100 gallons to thoroughly wet plant and root mass. Dip immediately before transplanting. When making dip applications, wear chemical/water resistant gloves, goggles or face shield, long pants (coveralls), long sleeved shirt, shoes, and socks.

**FOLIAR APPLICATIONS** to conifers such as Douglas firs, spruce, and pines. Mix 2.5 to 5.0 lbs. of product in 100 gallons of water and spray to wet using no more than 400 gallons of water per acre. Do not exceed more than one application every thirty days.

\* Not currently registered in California.

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#### DOWNY MILDEW CONTROL IN ROSES

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**FOLIAR APPLICATIONS TO ROSES:** field, 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 the disease to uninfected plants.

Mix 2.5 lbs. of product with 100 gallons of water and spray to wet using no more than 400 gallons per acre. Repeat as necessary but do not exceed one application every seven days.

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### FIRE BLIGHT SUPPRESSION

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**FOLIAR APPLICATIONS** to plants such as ornamental pear, pyracantha and hawthorn. Applications should be made in conjunction with a strict sanitation program to reduce the spread of the disease to uninfected plants.

Mix 2.5 lbs. of the product in 100 gallons of water and spray to wet using not more than 400 gallons of water per acre. ALIETTE WDG works solely as a preventative treatment. Begin spray treatments at pre-bloom stage and continue at 7-day intervals until bloom period ends. Do not exceed one application every seven days.

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### BACTERIAL BLIGHT SUPPRESSION\*

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**FOLIAR APPLICATIONS** to plants such as English ivy, schefflera, anthurium, dieffenbachia, spathaphyllum, syngonium, and ficus for the suppression of the *Xanthomonas campestris* pathovars *hederae*, *dieffenbachiae*, *syngonii*, and *fici*. Applications should be made in conjunction with a disease sanitation program to reduce the spread of the disease to uninfected plants.

Mix 2 to 4 lbs. of product with 100 gallons of water and spray to wet using no more than 400 gallons of spray per acre. Repeat as necessary but do not exceed one application on every 7 days.

Refer to compatibility statements concerning use of coppers or other compounds.

\* Not currently registered in California.

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### PLANT TOLERANCE

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Plant tolerances to ALIETTE® WDG 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® WDG Fungicide. The user should test for possible phytotoxic responses in other plants on a small area basis using recommended rates prior to commercial use.

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### ORNAMENTAL AND BEDDING PLANT TANK MIXTURES

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Additional Disease Control: If ornamentals are threatened by additional diseases, ALIETTE® WDG 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® WDG can be tank-mixed with CHIPCO® 26019 brand fungicide. Consult the CHIPCO® 26019 label for a complete listing of diseases controlled and for application rates.

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

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### COMPATIBILITY

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ALIETTE® WDG may not be compatible with foliar fertilizers or with copper based fungicides. To avoid undesirable copper phytotoxicity, do not apply ALIETTE® WDG and copper-based compounds at less than 7-day intervals. Do not mix ALIETTE® WDG with any sticker, extender or wetting agent.

To determine the physical compatibility of ALIETTE® WDG 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 develops, 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® WDG is not physically compatible with flowable formulations of Daconil 2787 or Fore fungicides as a tank mixture. These products should not be combined for application.

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### TURF

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ALIETTE® WDG is a systemic 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, sod farms and other turf areas. 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.

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DISEASE	INTERVAL OF APPLICATIONS	RATE OZ. PRODUCT/1,000 FT <sup>2</sup>
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.

### TURF TANK MIXTURES

**Summer Stress Complex/Summer Decline:** For control of Summer Stress Complex/Summer Decline caused by a complex of *Pythium* and *Rhizoctonia* diseases, ALIETTE® WDG can be tank-mixed with the product listed below for use on common turfgrasses on golf courses, sod farms, industrial or municipal turf areas, and professional applications to residential lawns in accordance with the most restrictive of label limitations and precautions. Do not exceed label dosage rates. This product cannot be mixed with any product containing a label prohibition against such mixing.

PRODUCT	DISEASE	APPLICATION INTERVAL	RATE OZ. PRODUCT/1,000 FT <sup>2</sup>
CHIPCO® ALIETTE® WDG + CHIPCO® brand 26019 Flo or CHIPCO® brand 26GT™ Flo or CHIPCO® brand 26019 or Daconil Ultrex™ or Manicure™ DG or Dithane T/O or Protect T/O or Mancozeb DG or Fore WP	Summer Stress Complex ( <i>Pythium</i> and <i>Rhizoctonia</i> spp.)	14 days	4.0 to 8.0 + 3.0 - 4.0 3.0 - 4.0 1.5 - 2.0 3.3 3.3 8.0 8.0 8.0 4.0 to 8.0

Apply as a foliar spray using 1 to 5 gallons of water per 1,000 sq.ft. Apply with a properly calibrated sprayer. Begin preventative 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.

If a tank-mix with other fungicides is used, follow label directions for the use of that product and apply at the recommended rate for control of the target disease organism. ALIETTE® WDG is not compatible with the flowable formulations of Daconil 2787\* or Fore fungicides. These products should not be combined for application.

### COMPATIBILITY

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

To determine the physical compatibility of ALIETTE® WDG 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 develops, 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® WDG is not physically compatible with flowable formulations of Daconil 2787 or Fore fungicides as a tank mixture. These products should not be combined for application.

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

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**IMPORTANT: READ BEFORE USE**

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 Aventis Environmental Science's control, it is impossible for Aventis 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. Aventis 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 AVENTIS ENVIRONMENTAL SCIENCE'S ELECTION, THE REPLACEMENT OF PRODUCT.

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

OCT 29 2001

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

432-890

**NET CONTENTS: 5 lbs.**

ALIETTE and CHIPCO are registered trademarks of the Aventis Group.

Daconil 2787 are registered trademarks of Fermenta Corporation.

Fore are registered trademarks of Rohm and Haas Company.

Aventis Environmental Science USA, LP  
95 Chestnut Ridge Rd.  
Montvale, NJ 07645

EPA ALIETTE® WDG (Master) Amend 08/13/01