

PM-22 Reg # 264-515 196  
**CHIPCO<sup>®</sup> ALIETTE<sup>®</sup> brand Signature<sup>TM</sup>**

**Fungicide**

**ACTIVE INGREDIENT:** Aluminum tris (O-ethyl phosphonate).....80.0%  
**INERT INGREDIENTS:**.....20.0%

**E. P. A. REG. NO. 264-515** **E. P. A. 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 Call 1-800-334-9745.

**STATEMENT OF PRACTICAL TREATMENT**

- IF IN EYES:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention if irritation persists.
- IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.
- IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.
- SWALLOWED:** Call a physician or Poison Control Center. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

**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**

Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, 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.

**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.

**ACCEPTED**  
APR 23 1996  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 264-515

## 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, waterproof gloves, shoes plus socks, and protective eyewear.

## 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 CHIPCO® ALIETTE® brand Signature™ 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 CHIPCO® ALIETTE® brand Signature™, 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 CHIPCO® ALIETTE® brand Signature™ into the irrigation water line so as to deliver the desired rate per acre. The suspension of CHIPCO® ALIETTE® brand Signature™ 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 CHIPCO® ALIETTE® brand Signature™ 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 CHIPCO® ALIETTE® brand Signature™ has been completed, further field irrigation over the treated area should be avoided until foliage is dry to prevent washing the chemical off the crop.

## 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.

**ORNAMENTALS AND BEDDING PLANTS**

Use CHIPCO® ALIETTE® brand Signature™ 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. CHIPCO® ALIETTE® brand Signature™ 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.

**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 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 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 0.5 to 0.8 lb (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.

**BEDDING PLANTS**

**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 thirty days.

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

**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.

**DOWNY MILDEW CONTROL IN ROSES**

**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.

**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 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. CHIPCO ALIETTE works solely as a preventive 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.

### BACTERIAL BLIGHT SUPPRESSION

**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.

### PLANT TOLERANCE

Plant tolerances to CHIPCO® ALIETTE® brand Signature™ 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 CHIPCO® ALIETTE® brand Signature™ 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 by additional diseases, CHIPCO® ALIETTE® brand Signature™ is compatible with most commonly used fungicides. For control of diseases such as Aerial Web Blight, FlexLeaf Blight, Botrytis Blight, Fusarium Leaf Spot, Helminthosporium Leaf Spot, and Ray Blight, CHIPCO® ALIETTE® brand Signature™ 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. CHIPCO® ALIETTE® brand Signature™ is not compatible with the flowable formulation of Daconil 2787. These products should not be combined for application.

### COMPATIBILITY

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

To determine the physical compatibility of CHIPCO® ALIETTE® brand Signature™ 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 appear 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.

CHIPCO® ALIETTE® brand Signature™ 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.

### TURF

CHIPCO® ALIETTE® brand Signature™ 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.

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.



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CHIPCO® ALIETTE® brand Signature™ 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.

### LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and (c) that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues on food crops and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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