



PM 22 264-516

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

JAN 14 1994

**Danielle A. Larochelle  
RHONE-POULENC AG COMPANY  
BOX 12014  
RESEARCH TRIANGLE PARK, NC 27709**

**OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES**

**Subject: Label Amendment Submission of 08/09/93 In Response to PR Notice 93-7  
EPA Reg. No. 264-516  
ALLETTE WDG FUNGICIDE**

**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 Soy/Canola Ink on paper that  
contains at least 50% recycled fiber

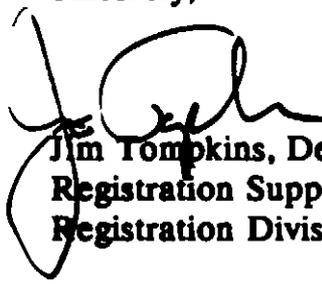
**Submit the final printed labeling via the U.S. Postal Service to:**

**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**

# ALIETTE WDG Fungicide

JAN 14 1994

Under the Federal Insecticide, Fungicide, and Rodenticide Act

As amended, for the pesticide registered under EPA Reg. No. 80.0%

264-516 20.0%

ACTIVE INGREDIENT: Aluminum tris (O-ethyl phosphonate) .....

INERT INGREDIENTS:.....

EPA Reg. No. 264-516

EPA Est. No. 264-MO-02

## 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 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. 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) (4-5)], 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 when disposing 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.

#### 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 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:

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

Use of ALIETTE® WDG Fungicide through chemigation is not allowed in California except on citrus.

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 clear 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 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 non uniform 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.

### GENERAL APPLICATION INSTRUCTIONS FOR FOLIAR APPLICATIONS

ALIETTE® WDG Fungicide is an effective systemic product for control of various diseases when used according to the label directions.

#### MIXING INSTRUCTIONS

1. Fill the spray tank with 1/4 - 1/2 of the required volume of water prior to the addition of ALIETTE® WDG.
2. Add ALIETTE® WDG slowly to the tank and agitate by hydraulic or mechanical means.
3. Continue to fill the tank with water to the desired volume while agitating.
4. Continue agitation when applying.

### GENERAL APPLICATION INSTRUCTIONS FOR TRUNK SPRAYS AND PAINTS

1. Mix ALIETTE® WDG with a small volume of water. The specific rates and gallonage to use are listed under the citrus and stone fruit sections of the label.
2. Apply to wound area as a spray or paint on limbs or trunk of citrus or stone fruit trees in sufficient volume to cover the entire area to be treated.

**COMPATIBILITY**

ALLETTE® WDG, Fungicide is compatible with most products used in agriculture; however, crop sensitivity to these mixtures may vary. In particular, foliar fertilizers and copper products may not be compatible or may cause phytotoxicity to various crops. If these combinations or others have not been used before, do not tank mix without first testing the safety of the combination (compatibility and crop phytotoxicity).

The use of spray adjuvants (i.e., stickers, spreaders, wetting agents) are not recommended with ALLETTE® WDG, Fungicide. However, if an adjuvant is going to be mixed with ALLETTE® WDG Fungicide, it should be tested prior to use for compatibility. Due to ALLETTE® WDG Fungicide's acidic nature, do not tank mix acid type compatibility spray adjuvants (i.e., Buffit® Spray-aide, Triton AG-442).

To determine the compatibility of ALLETTE® WDG Fungicide with other products use a jar compatibility test. Add the correct proportions of each product and water into a clear container, thoroughly mix and then let stand for 3-5 minutes. If the mixture remains in suspension or can be remixed readily, the products are considered compatible.

To determine if a combination is phytotoxic to a specific crop, spray a few plants/trees and then evaluate 3-7 days later for visual effects.

**APPLICATION**

Apply ALLETTE® WDG Fungicide with sufficient water volumes to obtain adequate coverage of foliage. The gallonage needed will vary by crop and growth stage. For vegetables and small fruit, do not apply ALLETTE® WDG Fungicide in less than 20 gals/A. Aerial applications for all labeled crops should not be made in less than 10 gals/A. To insure good coverage of tree fruit, spray to wet.

**ALLETTE® WDG FUNGICIDE IS REGISTERED FOR USE ON THE FOLLOWING CROPS**

Almonds (Non-bearing)	Ginseng
Asparagus (California Only)	Leafy Vegetables
Avocados (Bearing and Non-bearing)	Dry Bulb Onions
Brassica Crop Grouping	Pineapple
Caneberries	Pome fruit (Non-bearing): Apples & Pears
Citrus (Bearing and Non-bearing)	Stone fruit (Non-bearing): Apricots, Cherries, Nectarines, Peaches & Plums
Cucurbit Crop Grouping	Strawberries

**ASPARAGUS (FOR USE IN CALIFORNIA ONLY)**

DISEASE	RATE lbs product/Acre	APPLICATION PROGRAM
Asparagus spear slime and crown rot ( <i>Phytophthora spp.</i> )	5.0	Apply ALLETTE® WDG once per season. ALLETTE® WDG should be applied as a foliar spray to fully expanded asparagus ferns. Do not apply to ferns that are beginning to senesce.  Thorough coverage is required not to exceed 50 gallons per acre.  ALLETTE® WDG should not be applied within 110 days of harvest.

**NON-BEARING AVOCADOS:**

(Trees that will not produce marketable fruit for 12 months after the last ALLETTE® WDG application)

When used in conjunction with good cultural management practices, ALLETTE® WDG is effective in controlling avocado root rot (*Phytophthora cinnamomi*). ALLETTE® WDG applications should begin at transplanting or the start of the growing season.

ALLETTE® WDG may be used as a pre-plant drench treatment and/or in a foliar spray program in accordance with the details in the table below:

DISEASE	APPLICATION METHOD	RATE lbs product	APPLICATION PROGRAM
Phytophthora Root Rot ( <i>Phytophthora cinnamomi</i> )	Drench	Use at concentration of 5.0 oz/10 gal	Apply 1 quart of solution to the pot or sleeve of each tree 2 - 3 days prior to transplanting.
	Foliar	5.0 lbs/100 gal	Begin foliar applications at the start of the growing season. A maximum of 4 foliar sprays per year may be applied at 60 day intervals. The foliar spray should be applied to wet.  DO NOT EXCEED 100 GALLONS PER ACRE.

Do not allow livestock to graze on the floor of treated avocado groves.  
Do not cut cover crops for feed.

DISEASE	APPLICATION METHOD	RATE lbs product	APPLICATION PROGRAM
Phytophthora Root Rot <i>(Phytophthora cinna.momi)</i>	Foliar	5.0 /Acre	Spray to wet beginning at the start of the growing season and repeat application every 60 days.
		1.0/100 gal	Spray in run-off. Based on volumetric concentrations using 500 gallons per acre as "dilute" gallonage. Do not exceed 20 lbs product/acre per year. Do not exceed 4 applications per year. <b>DO NOT EXCEED 500 GALLONS PER ACRE</b>

Do not allow livestock to graze on the floor of treated avocado groves.

Do not cut cover crops for feed.

Note: In order to apply the correct amount of product to your groves you must know the number of gallons of water needed to spray one acre of trees to the point of drip. If you do not know this gallonage you should conduct a test to determine it. If you do not know how to conduct such a test with your equipment, you should seek assistance from your equipment dealer.

\*Not currently registered for use in California.

**BRASSICA CROP GROUPING:**

Broccoli, Brussel Sprouts, Cabbage, Chinese Broccoli, Bok Choy, Napa Cabbage, Chinese Mustard, Cauliflower, Collards, Kale, Kohlrabi, Mustard Greens, Rape Greens.

ALIETTE® WDG applied as a foliar spray in conjunction with good cultural management practices will provide effective control of Downy Mildew caused by *Peronospora parasitica*.

DISEASE	APPLICATION METHOD	RATE lbs product/Acre	APPLICATION PROGRAM
Downy Mildew	Foliar Spray	2.0 - 5.0	Apply ALIETTE® WDG as a foliar spray when conditions favor disease development (i.e., high moisture and moderate temperatures) and continue on a 7-21 day interval. Use a sufficient volume of water for good coverage, but do not apply in less than 15 GPA.  The lower rates of ALIETTE® WDG (2.0-3.0 lbs.) can be used when tank mixed with another fungicide labeled for downy mildew control. Do not tank mix with copper fungicides. When used alone, apply ALIETTE® WDG at 3.0-5.0 lbs.  With moderate disease pressure (curative treatment) the higher rates of ALIETTE® WDG and a shorter spray interval should be used.  A maximum of 7 foliar sprays can be used per season with a three day preharvest interval (PHI).

**CANEBERRIES:**

When used in conjunction with good cultural management practices, ALIETTE® WDG is effective in controlling Phytophthora root rot (*Phytophthora spp.*) of caneberreries. In new plantings, ALIETTE® WDG foliar applications should begin when plants produce 1-3 inches of new growth. Applications in established plantings should begin when conditions favor disease development (i.e., high soil moisture and cool temperatures).

ALIETTE® WDG should be applied to caneberreries in accordance with the table below:

DISEASE	APPLICATION METHOD	RATE lbs product/Acre	APPLICATION PROGRAM
Phytophthora Root Rot	Foliar	5.0	Apply ALIETTE® WDG in sufficient water to thoroughly wet the foliage. <b>WEST OF THE ROCKY MOUNTAINS</b> Fall Application: Apply when conditions favor disease development and then repeat, if necessary, in 3-4 weeks. Spring Application: Apply the first spray after bud break (1-3 inches new growth) and a second spray 3-4 weeks later. <b>EAST OF THE ROCKY MOUNTAINS</b> Begin foliar sprays in the spring after bud break (1-3 inches new growth) and continue spraying on a 45-60 day schedule, up to a maximum of four (4) sprays during the growing season.

Under severe disease pressure four (4) applications per year should be used. The last fall application should be applied at least 30 days prior to leaf drop. Do not mix ALIETTE® WDG with surfactants or foliar fertilizers. Do not apply ALIETTE® WDG within 60 days of harvest.

**CITRUS BEARING:**

ALLETTE® WDG applied in conjunction with good cultural management practices will provide effective control of Phytophthora foot rot, gummosis, root rot and fruit brown rot caused by *Phytophthora spp.* Applications of ALLETTE® WDG should begin when conditions favor disease development.

ALLETTE® WDG should be applied on citrus in accordance with the table below:

DISEASE	APPLICATION METHOD	RATE lbs. product/Acre	APPLICATION PROGRAM
Phytophthora Foot & Root Rot	Foliar	5.0	Apply as a foliar spray to wet when conditions favor disease development (i.e., Feb.-April, May-June, Sept-Oct.)
Brown Rot	Foliar	5.0	Apply as a foliar spray to wet when conditions favor disease development (i.e., November-March)
Phytophthora Foot Rot or Gummosis	Trunk Spray or Paint	2.5-5.0*	Mix the desired amount of ALLETTE® WDG with 5 gallons of water and apply to the trunk lesion in a sufficient volume to thoroughly wet the entire lesion. If no lesion is present, the application should be made from the soil line up the trunk approximately 2 feet. Under severe disease conditions (i.e., trunk lesions) the higher rate should be used.

ALLETTE® WDG Fungicide may be applied up to four (4) times per season. Any combination of the above methods of application can be used, however, do not exceed a total of four (4) applications or 20 lbs/Acre per year. Do not apply ALLETTE® WDG within 30 days of harvest.

When applied prior to, with, or after COPPER fungicides, the pH of ALLETTE® WDG tank mix should be raised to 6.0 or above with the addition of an alkaline buffer such as Potassium Carbonate (3 lbs. Potassium Carbonate per 5 lbs. ALLETTE® WDG) or hydrated lime (1.25 lbs. per 5 lbs. ALLETTE® WDG) to avoid phytotoxicity from solubilized copper. Only insoluble copper products can be used with ALLETTE® WDG.

Do not graze livestock in treated citrus groves. Do not feed forage from treated groves.

**NON-BEARING CITRUS:**

(Trees that will not produce marketable fruit for 12 months after the last application)

ALLETTE® WDG applied in conjunction with good cultural management practices will provide effective control of Phytophthora foot rot, gummosis and root rot caused by *Phytophthora spp.*

ALLETTE® WDG should be applied to non-bearing citrus in accordance with the table below:

DISEASE	APPLICATION METHOD	RATE lbs. product	APPLICATION PROGRAM
Phytophthora Foot & Root Rot	Foliar	5.0/100 gal.	Apply as a foliar spray to wet when conditions favor disease development (i.e. March-April, May-June, Sept.-Oct.)
	Trunk Spray or Paint	2.5-5.0*/ 5 gal.	Mix the desired amount of ALLETTE® WDG with 5 gallons of water and apply to the trunk lesion in a sufficient volume to thoroughly wet the entire lesion. If no lesion is present, the application should be made from the soil line up the trunk approximately two (2) feet.  *Under severe disease conditions (i.e. Trunk lesions) the higher rate should be used.  Nursery tree resets and new plantings should be treated at the time of planting.

Ground application should not exceed 100 gallons per acre per application. ALLETTE® WDG Fungicide may be applied up to four (4) times per year. Any combination of the above mentioned methods of application can be used, however, do not exceed a total of four (4) applications or 20 lbs/Acre per year.

Do not graze livestock in treated citrus groves. Do not feed forage from treated groves.

**CUCURBIT CROP GROUPING:**

Cucumbers, melons, summer and winter squash, watermelons, gourds, gherkins,  
Chinese waxgourds and Balsam pears.

ALIETTE® WDG applied as a foliar spray in conjunction with good cultural management practices for control of Downy Mildew *Pseudoperonospora cubensis* on cucurbits.

DISEASE	APPLICATION METHOD	RATE lbs. product	APPLICATION PROGRAM
Downy Mildew	Foliar Spray	2.0 - 5.0/A	<p>Apply ALIETTE® WDG as a foliar spray when conditions favor disease development (i.e.: high moisture and moderate temperatures) and continue on a 7 - 14 day interval. Use a sufficient volume of water for good coverage.</p> <p>The lower rates of ALIETTE® WDG (2.0 - 3.0 lbs) can be used when tank mixed with another fungicide labeled for downy mildew control. When used alone, apply ALIETTE at 3.0-5.0 lbs.</p> <p>With moderate disease pressure (curative treatment) the higher rates of ALIETTE® WDG and a shorter spray interval should be used.</p> <p>Applications can be made up to and including the day of harvest, (0 day pre-harvest interval). Do not exceed a maximum of 7 foliar applications per season. Do not tank mix with copper fungicides.</p>

**ENDANGERED SPECIES RESTRICTIONS**

The use of ALIETTE® WDG on Cucurbits is restricted to protect endangered fresh water mollusks and their habitat. In the following states and counties, the use rate is limited to a maximum of 3.75 pounds product (3 lbs. ai.) per acre per application:

- AL: Hale, Jackson, Lauderdale, Marshall, Morgan, Washington
- AR: Clay, Craighead, Lawrence, Mississippi, St. Francis, Saline, Sharp, White, Woodruff
- IL: Gallatin, Mercer, Whiteside
- IA: Allamakee, Louisa, Muscatine
- IN: Knox
- KY: Hart, Logan, Marshall, Warren
- LA: Rapides, St. Helena
- MD: Caroline
- MN: Chisago, Washington
- MS: Monroe
- MO: Butler, Cedar, Dunklin, Franklin, Jefferson, Ripley, St. Louis
- NC: Franklin, Granville, Johnston, Nash, Pitt
- OH: Williams, Washington
- TN: Blount, Lincoln
- VA: Botetourt
- VT: Windsor

**GINSENG**

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DISEASE	RATE lbs. product	APPLICATION PROGRAM
Phytophthora foliar and root rot ( <i>Phytophthora cactorum</i> )	5.0/100 gal.	<p>Make the first application of ALIETTE® WDG as conditions become favorable for disease development in the spring. Continue applications on a seven (7) day interval as long as conditions favor disease development.</p> <p>Do not exceed more than nine (9) applications of ALIETTE® WDG per season or apply within 31 days of harvest.</p> <p>Mix in a minimum of 100 gallons of water per acre.</p>

**LEAFY VEGETABLES (except brassica vegetables) GROUP:**

ALIETTE® WDG applied as a foliar spray in conjunction with good cultural management practices will provide effective control of Downy Mildew (*Bremia lactucae*, *Peronospora* spp.) on leafy vegetables (except brassica vegetables).

DISEASE	APPLICATION METHOD	RATE lbs product/Acre	APPLICATION PROGRAM
Downy Mildew	Foliar Spray	2.0-5.0	<p>Apply ALIETTE® WDG as a foliar spray when conditions favor disease development (i.e.: high moisture and moderate temperatures) and continue on a 7-21 day interval. Use a sufficient volume of water for good coverage.</p> <p>The lower rates of ALIETTE® WDG (2.0- 3.0 lbs) can be used when tank mixed with another fungicide labeled on these crops for downy mildew control. Do not tank mix with copper fungicides. When used alone, apply ALIETTE® WDG at 3.0-5.0 lbs.</p> <p>With moderate disease pressure (curative treatment) the higher rates of ALIETTE® WDG and a shorter spray interval should be used.</p> <p>A maximum of 7 foliar sprays can be used per season with a three day preharvest interval (PHI). Do not apply in less than 15 GPA.</p>

Speckling can occur with ALIETTE® WDG use on Spinach and Lettuce. This tends to occur when periods of long sustained free moisture follow ALIETTE® WDG application. In areas where this may occur, ALIETTE® WDG pH should be adjusted upward to 6.0 or above. The damage is more common on Romaine and leaf lettuce varieties. Upward pH adjustment may be accomplished with alkaline buffers such as lime (1.25 lbs lime / 5.0 lbs ALIETTE® WDG ) or Potassium Carbonate (3.0 lbs Potassium Carbonate / 5 lbs ALIETTE® WDG ).

**ONIONS (DRY BULB):**

ALIETTE® WDG will provide effective control of Downy Mildew on onions caused by *Peronospora destructor* when applied as a foliar spray in a preventive program used in conjunction with good cultural management practices.

DISEASE	APPLICATION METHOD	RATE lbs product/Acre	APPLICATION PROGRAM
Downy Mildew	Foliar Spray	2.0 - 3.0 lbs.	<p>For optimum results, ALIETTE® WDG should be used as a foliar spray in a preventive disease control program. Begin applications when conditions (high humidity and cool evening temperatures) favor disease development and continue on a 7 - 14 day interval as needed. A maximum of 7 foliar sprays can be used per crop season with a 7 day preharvest interval (PHI).</p> <p>If disease is already present, ALIETTE® WDG should be applied at the 3.0 lb. rate and at the shortest (7 day) time interval labeled until conditions are not favorable for infection.</p> <p>When applying ALIETTE® WDG by air, use a minimum of 10 gallons per acre. Applications by ground should be in a minimum of 20 gallons per acre.</p>

ALIETTE® WDG can be tank mixed with other foliar applied fungicides and insecticides registered for use on onions except copper materials. Physical compatibility with ALIETTE® WDG should be checked when mixing with soluble concentrate or "flowable" formulation pesticides such as Bravo 720 and Rovral® 4F. Add the correct proportions of each product and water into a clear container, thoroughly mix and then let stand for 3-5 minutes. If the mixture remains in suspension or can be remixed readily, the products are considered compatible. Do not tank mix ALIETTE® WDG with acid type compatibility adjuvants.

**PINEAPPLE:**

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When used in conjunction with good cultural management practices, ALIETTE® WDG is effective in controlling Heart Rot (*Phytophthora parasitica*) on pineapples. The dip treatment is critical to ensure early protection from *Phytophthora* for good stands. Foliar sprays should be applied to established plants, when aggravating environmental conditions (i.e. excessive rainfall) occur or are anticipated.

ALIETTE® WDG should be applied on pineapples in accordance with the table below:

DISEASE	APPLICATION METHOD	RATE lbs product/100 gals	APPLICATION PROGRAM
Heart Rot ( <i>Phytophthora parasitica</i> )	Dip	2.5*	Apply as a pre-plant dip immediately prior to planting.
	Foliar	3.75	A maximum of 6 sprays may be applied at 3 month intervals. Do not apply within 3 months of harvest.

\*100 gallons is intended to treat the number of slips required to plant one acre.

\*\*Apply in sufficient water for thorough coverage. Do not exceed 400 gallons per acre.

**NON-BEARING POME FRUIT such as Apples and Pears**

(Trees that will not produce marketable fruit for 12 months after the last ALIETTE® WDG application.)

ALIETTE® WDG applied in conjunction with good cultural management practices will provide effective control of collar and root rot caused by *Phytophthora spp.*

ALIETTE® WDG should be applied to nursery and field grown non-bearing pome trees in accordance with the table below.

DISEASE	APPLICATION METHOD	RATE lbs product/100 gals	APPLICATION PROGRAM
Phytophthora Collar and Root Rot	Foliar	2.5-5.0*	Apply as a foliar spray programs of ALIETTE® WDG on a 30-60 day interval when conditions favor disease development. Thorough coverage is required. Do not apply more than 5.0 lbs of ALIETTE® WDG per acre per application. Do not exceed 20 lbs of ALIETTE® WDG per acre per season. Nursery tree resets and new plantings should be treated after leaf emergence.

\* Under moderate disease pressure apply ALIETTE® WDG, 3 or 4 times at 5.0 lbs/100 gallons on a 60 day spray interval or 6-8 applications at 2.5 lbs/100 gallons on a 30 day interval.

**NON-BEARING STONE FRUIT: Apricots, Cherries, Nectarines, Peaches & Plums**

**NON-BEARING ALMONDS** (Trees that will not produce marketable fruit for 12 months after the last ALIETTE® WDG application)

ALIETTE® WDG applied in conjunction with good cultural management practices will provide effective control of collar and root rot caused by *Phytophthora spp.*

ALIETTE® WDG should be applied to nursery and field grown non-bearing stone fruit and non-bearing almonds in accordance with the table below:

DISEASE	APPLICATION METHOD	RATE lbs product/100 gals	APPLICATION PROGRAM
Phytophthora Collar and Root Rot	Foliar	5.0	Apply a foliar spray program of ALIETTE® WDG on a 60 day interval when conditions favor disease development. Thorough coverage is required. Do not apply more than 5.0 lbs of ALIETTE® WDG per acre per application. Nursery tree resets and new plantings should be treated after leaf emergence.
Almond Pruning wound canker	Paint or Spray	3.0 - 5.0*	Apply as a paint or spray to the pruning wound area in a sufficient volume to thoroughly wet the entire wound surface. Under severe disease conditions (i.e. active canker lesion), the higher rate should be used.

\* For small volume application, mix 0.5 - 0.8 oz (3 - 4.5 level tablespoons) product per gallon of water. This is equivalent to 3 - 5 lbs per 100 gallons.

Gallonage should not exceed 100 gallons per acre per application. ALIETTE® WDG may be applied up to four (4) times per year. Any combination of the above methods of application can be used, but not to exceed a total of four (4) applications or 20 lbs per acre per year.

**STRAWBERRIES\***

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ALLETTE® WDG Fungicide is effective in controlling Red Stele caused by *Phytophthora fragariae* and leather rot caused by *Phytophthora cactorum* on strawberries when used in conjunction with good cultural management practices.

ALLETTE® WDG should be applied to strawberries as a pre-plant dip and/or as a foliar spray in accordance with the table below:

DISEASE	APPLICATION METHOD	RATE lbs product	APPLICATION PROGRAM
Red Stele	Dip	2.5 lbs/100 gallons	Apply as a pre-plant dip to strawberry roots and crowns for 15 - 30 minutes. Plant within 24 hours after dipping. The dip application can be used for both annual and perennial varieties.
	Foliar	2.5 - 5.0 lbs./A	Annual planting: Apply as a foliar spray 14 - 21 days after planting and continue on a 30 - 60 day interval as long as conditions favor disease development.  Perennial planting: In the spring, begin foliar applications when the plants start active growth. If disease conditions persist or reoccur, make additional applications on a 30 - 60 day interval.
Leather Rot	Foliar	2.5 - 5.0 lbs./A	Begin foliar application between 10% bloom and early fruit set and continue on a 7 - 14 day interval as long as conditions are favorable for disease development.

When disease pressure is heavy, or when using Red Stele susceptible strawberry varieties, the shorter (30 day) time interval, high rates (4.0 to 5.0 lbs.) and maximum number of applications should be used.

Do not apply ALLETTE® WDG Fungicide by fixed wing or rotary aircraft.

Applications can be made on the same day as harvest (PHI = 0 day). Do not exceed 30 lbs. product per acre per season.

\* Not currently registered in California.

**ENDANGERED SPECIES RESTRICTIONS**

The use of ALLETTE® WDG on Strawberries is restricted to protect endangered fresh water mollusks and their habitat. In the following states and counties, the use rate is limited to a maximum of 3.75 pounds product (3 lbs. ai.) per acre per application:

- AR: White
- IL: Whiteside
- IA: Scott
- IN: Knox
- KY: Campbell, Marshall, Rockcastle, Todd, Warren
- LA: Livingston, Rapides
- MD: Caroline, St. Mary's
- MN: Houston, Washington
- MS: Monroe
- MO: Franklin, Jefferson
- NH: Cheshire, Sullivan
- NC: Granville, Johnston
- OH: Washington
- WI: Iowa, St. Croix, Trempealeau

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## 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, warning 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, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

**THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.**

**BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.**

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ALLETTE® Fungicide (PENDIFLIG) Submitted 8/9/93.