

Mr. Nick Somma
Rhone-Poulenc Ag Company
P.O. Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, NC 27709

Dear Mr. Somma:

Subject: Add Use on Brassica Crop Grouping, Leafy Vegetables
Group, and Dry Bulb Onions
Aliette Fungicide
EPA Registration No. 264-467
Your Submissions Dated September 20 and November 8, 1991

The amendment 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 labeling changes listed below before you release the product for shipment bearing the amended labeling:

a. Update the Environmental Hazards Statement to read:

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.

b. Update the grazing restriction for Citrus and Non-bearing Citrus to read:

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

2. Submit one (1) copy of your final printed labeling before you release the product for shipment.

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A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

Cynthia Giles-Parker

Cynthia Giles-Parker
Product Manger (22)
Fungicide Herbicide Branch
Registration Division (H7505C)

Enclosure

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ALIETTE® Fungicide

ACTIVE INGREDIENT: Aluminum tris (O-ethyl phosphonate)80.0%

INERT INGREDIENT:20.0%

EPA Reg. No. 264-467

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN CAUTION

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

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.

PRECAUTIONARY STATEMENTS

CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if absorbed through the skin or inhaled. Causes eye injury. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic and estuarine invertebrates. Do not apply directly to water, swamps, bogs, marshes, and potholes. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters and rinsate.

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.

REENTRY STATEMENT

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter treated areas without protective clothing 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:

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.

GENERAL INFORMATION

NOTE TO USER: During mixing and applying this product, wear full protective clothing (long pants, long sleeve shirt water resistant gloves and either face shield or goggles)

ALIETTE® FUNGICIDE IS REGISTERED FOR USE ON THE FOLLOWING CROPS

Almonds (Non-bearing)
Asparagus (California Only)
Avocados (Non-bearing)
Caneberries
Citrus (Bearing and Non-bearing)
Brassica Crop Grouping

Ginseng (Wisconsin Only)
Pineapple
Pome fruit (Non-bearing): Apples & Pears
Stone fruit (Non-bearing): Apricots, Cherries, Nectarines, Peaches & Plums

ASPARAGUS (FOR USE IN CALIFORNIA ONLY)

DISEASE	RATE LBS. PRODUCT/ACRE	APPLICATION PROGRAM
Asparagus spear slime and crown rot (<i>Phytophthora sp.</i>)	5.0	Apply ALIETTE® once per season. ALIETTE® 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. ALIETTE® 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 ALIETTE® application)

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

ALIETTE® 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	RATE	APPLICATION PROGRAM
Phytophthora Root Rot (<i>Phytophthora cinnamomi</i>)	Drench	Use at concentration of 5.0 oz./ 10 gallons	Apply 1 quart of solution to the pot or sleeve of each tree 2-3 days prior to transplanting.
	Foliar	5.0 lbs./ 100 gallons	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.

BRASSICA CROP GROUPING:

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

ALIETTE® 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	APPLICATION PROGRAM
Downy Mildew	Foliar Spray	2.0 - 5.0/A	Apply ALIETTE® as a foliar spray when conditions favor disease development (ie., 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® (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® at 3.0-5.0 lbs. With moderate disease pressure (curative treatment) the higher rates of ALIETTE® 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).

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In EPA Letter...

Under the Federal...
Fungicide, and...
as amended, for...
registered under FFA...

264-467

CANEBERRIES:

When used in conjunction with good cultural management practices, ALIETTE® is effective in controlling Phytophthora root rot (*Phytophthora sp.*) of canberries. In new plantings, ALIETTE® 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® should be applied to canberries in accordance with the table below:

DISEASE	APPLICATION METHOD	RATE (lbs. product/A)	APPLICATION PROGRAM
Phytophthora Root Rot	Foliar	5.0	<p>Apply ALIETTE® in sufficient water to thoroughly wet the foliage.</p> <p>WEST OF THE ROCKY MOUNTAINS</p> <p>Fall Application: Apply when conditions favor disease development and then repeat, if necessary, in 3-4 weeks.</p> <p>Spring Application: Apply the first spray after bud break (1-3 inches new growth) and a second spray 3-4 weeks later.</p> <p>EAST OF THE ROCKY MOUNTAINS</p> <p>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.</p>

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® with surfactants or foliar fertilizers. Do not apply ALIETTE® within 60 days of harvest.

CITRUS BEARING:

ALIETTE® 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 sp.* Applications of ALIETTE® should begin when conditions favor disease development.

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

DISEASE	APPLICATION METHOD	RATE lbs./product/A	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*	<p>Mix the desired amount of ALIETTE® 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.</p> <p>*Under severe disease conditions (i.e., trunk lesions) the higher rate should be used.</p>

ALIETTE® 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 ALIETTE® within 30 days of harvest.

Do not graze or feed forage from treated grove

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NON-BEARING CITRUS:

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

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

ALIETTE® 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	5.0/100gal.	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 ALIETTE® 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. ALIETTE® 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.

GINSENG (FOR USE IN WISCONSIN ONLY)

DISEASE	RATE LBS. PRODUCT/100 Gallons	APPLICATION PROGRAM
Phytophthora foliar and root rot (<i>Phytophthora cactorum</i>)	5.0	Make the first application of ALIETTE® 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. Do not exceed more than nine (9) applications of ALIETTE® per season or apply within 31 days of harvest. Mix in a minimum of 100 gallons of water per acre.

PINEAPPLE:

When used in conjunction with good cultural management practices, ALIETTE® 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® should be applied on pineapples in accordance with the table below:

DISEASE	APPLICATION	RATE LBS./ACRE	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® application.)

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

ALIETTE® should be applied to nursery and field grown non-bearing pome trees in accordance with the 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 program of ALIETTE® 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® per acre per application. Do not exceed 20 lbs of ALIETTE® per acre per season. Nursery tree resets and new plantings should be treated after leaf emergence.

* Under moderate disease pressure apply ALIETTE®, 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® application)

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

ALIETTE® 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® on a 60 day interval when conditions favor disease development. Thorough coverage is required. Do not apply more than 5.0 lbs of ALIETTE® 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 sufficient volume to thoroughly wet the entire wound. Under severe disease conditions (i.e. active canker) 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 - 100 gallons.

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

DIRECTIONS THROUGH SPRINKLER IRRIGATION SYSTEMS

Use of ALIETTE® Fungicide through Chemigation is not allowed in California.

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

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

APPLICATION INSTRUCTIONS: First prepare a suspension of ALIETTE® in a mix tank. Fill tank with 1/2 to 3/4 the amount of water. Start mechanical or hydraulic agitation. Add the required amount of ALIETTE®, and then the remaining water.

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® into the irrigation water line so as to deliver the desired rate per acre. The suspension of ALIETTE® 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 Drlp Irrigations Systems: When treatment with ALIETTE® 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® 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.

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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