

Bayer Environmental Science

# CHIPCO ALIETTE® SIGNATURE FUNGICIDE

Wettable Granules

SYSTEMIC FUNGICIDE FOR USE ON TURF

Commercial

**ACTIVE INGREDIENT:** Fosetyl AL.. 80%

**REGISTRATION NUMBER: 28299**  
**PEST CONTROL PRODUCTS ACT**



**WARNING: EYE IRRITANT**

**READ THE LABEL AND ATTACHED BROCHURE BEFORE USING**

NET CONTENTS: 2.26 Kg

**Bayer CropScience Inc.\***  
Suite 200, 160 Quarry Park Blvd S.E.  
Calgary, Alberta T2C 3G3  
Telephone: 1-888-283-6847

\*Bayer Environmental Science  
A Division of Bayer CropScience

**In case of spills, poisoning or fire, telephone emergency response number  
collect 1-800-334-7577 (24 hours a day).**

Bayer  and CHIPCO ALIETTE® are registered trademarks of the Bayer Group.

**PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.** Wear chemical-resistant

gloves, long coveralls (with hood) over normal clothes and hat during mixing/loading, application, cleanup and repair activities. Do not enter or allow entry into treated areas until sprays have dried. Avoid breathing dust. Avoid contact with skin, eyes and clothing. Wash concentrate from skin or eyes immediately. After use, wash hands and other exposed skin. Wash hands and face before eating, drinking, smoking or using the toilet. Store the container tightly closed away from seeds, fertilizer, plants and foodstuffs. Keep away from ponds, streams and other water sources. Apply only when the potential for drift to areas of human habitation and human activity ( other than golf courses) such as parks, school grounds, and playing fields is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer setting.

DO NOT enter or allow workers entry into treated areas during the restricted entry intervals (REIs) specified in the following table.

Crop	Re-entry Activity	Restricted-Entry Interval
Sod farms	All activities	12 hours

**FIRST AID:** Remove person from contaminated area, remove contaminated clothing. Keep warm, comfortable, at rest.

**Eye contact:** Hold eye 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 eye. Call a poison control centre or doctor for treatment advice.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**Inhalation:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre of doctor for further treatment advice.

**Ingestion:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**TOXICOLOGICAL INFORMATION:**

No specific antidote. Treat symptomatically.

**ENVIRONMENTAL HAZARDS:**

TOXIC to aquatic organisms. Observe buffer zones specified under DIRECTIONS FOR USE. Toxic to small wild mammals. Toxic to certain beneficial insects. Minimize spray drift to reduce harmful effects on beneficial insects in habitats next to the application site such as hedgerows and woodland.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative

strip between the treated area and the edge of the water body.

**STORAGE:** Store **CHIPCO ALIETTE® SIGNATURE** in a dry, ventilated place away from feed, seed or foodstuffs. Unused product should be stored in original bag.

**CHIPCO ALIETTE® SIGNATURE** left exposed to the air will absorb moisture over time and become unusable. If the product becomes caked or lumpy, do not use.

**CONTAINER DISPOSAL:**

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on disposal of unused or unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**NOTICE TO USER:** This pest control product is to be used only in accordance with the directions on the label. It is an offence under the PEST CONTROL PRODUCTS ACT to use a control product in a way that is inconsistent with the directions on the label.

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**GENERAL INFORMATION:**

**CHIPCO ALIETTE® SIGNATURE** Systemic Fungicide can be used to control *Pythium* and as a preventative control of foliar and basal rot anthracnose in turf. **CHIPCO ALIETTE® SIGNATURE** is completely systemic. Product applied to leaves will move downwards to the roots. **CHIPCO ALIETTE® SIGNATURE** is most effective when used as a preventative treatment. Plants displaying early disease symptoms, or when conditions for disease are favorable, are most likely to benefit from this treatment.

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**RESISTANCE MANAGEMENT RECOMMENDATIONS:**

For resistance management, **CHIPCO ALIETTE® SIGNATURE** contains a Group P07 fungicide. Any fungal population may contain individuals naturally resistant to **CHIPCO ALIETTE® SIGNATURE** and other Group P07 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance management strategies

should be followed.

To delay fungicide resistance:

- Where possible, rotate the use of **CHIPCO ALIETTE® SIGNATURE** or other P07 fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicide from a different group that is effective on the target pathogen when such use is permitted.
- Fungicide use should be based on an integrated disease management program that includes scouting, historical information related to pesticide use and crop rotation and considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide/bactericide applications.
- Monitor treated fungal populations for resistance development. Notify Bayer CropScience if reduced sensitivity of the pathogen to **CHIPCO ALIETTE® SIGNATURE** is suspected.
- If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different site of action, if available.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information and to report suspected resistance, contact Bayer CropScience representatives at 1-888-283-6847 or at [www.cropscience.bayer.ca](http://www.cropscience.bayer.ca).

## DIRECTIONS FOR USE

### TURF

#### GOLF COURSES, SOD FARMS, TURF AREAS

Do not apply this product using handheld or automated fogging or mist blower equipment.

Do not apply this product using ultra-low volume (ULV) equipment.

Not for use on other residential turf sites including residential lawns, gardens, playing fields, cemeteries, and schools.

Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) medium classification. Boom height must be 60 cm or less above the crop or ground.

**DO NOT** apply using aerial application equipment.

**Buffer zones:**

Use of the following spray methods or equipment **DOES NOT** require a buffer zone: hand-held or backpack sprayer and spot treatment and soil incorporation.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of application	Crop	Buffer Zones (meters) Required for the Protection of:				Terrestrial Habitat
		Aquatic Habitat of Depths:		Marine Habitat of Depths:		
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field Sprayer	Turf	2	1	1	1	0

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

The buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the Pest Management Regulatory Agency web site.

When applied as directed, **CHIPCO ALIETTE® SIGNATURE** will control the listed diseases, unless otherwise indicated as suppression.

### **CONTROL OF PYTHIUM DISEASES (*Pythium* spp.)**

Apply one application per season when symptoms appear.

Use as part of a season-long spray program with other registered pesticides.

**Application Rate:** Apply at 200 grams per 100 m<sup>2</sup>  
DO NOT apply using aerial application equipment.

### **PREVENTATIVE CONTROL OF FOLIAR AND BASAL ROT ANTHRACNOSE (*Colletotrichum cereale*)**

**Application Rate:** Apply 120 grams of product in 6-10 litres of water/ 100 m<sup>2</sup>

Apply two to four applications 14 days apart as a preventative treatment in spring and/or summer to turf grass areas with a history of anthracnose disease. Initiate applications when conditions are favourable for disease development. **CHIPCO ALIETTE® SIGNATURE** should be used in conjunction with a fertility program that avoids excess yet provides adequate nitrogen through light more frequent applications over the entire growing season. **Under extreme and prolonged infection pressure of basal rot anthracnose, CHIPCO ALIETTE® SIGNATURE should be used as part of a season-long spray program with other fungicides registered for anthracnose control.**

DO NOT apply using aerial application equipment.

### **PREVENTATIVE CONTROL OF BENTGRASS DEADSPOT (*Ophiosphaerella agrostis*)**

**Application Rate:** Apply 120 grams of product in 6-10 litres of water/ 100 m<sup>2</sup>

Apply two to four applications 14 days apart as a preventative treatment in spring and/or summer to turf grass areas with a history of bentgrass deadspot disease. Initiate applications when conditions are favorable for disease development. Under extreme and prolonged infection pressure of bentgrass deadspot disease, CHIPCO ALIETTE SIGNATURE should be used as part of a season-long spray program with other fungicides registered for bentgrass deadspot control.

**DO NOT apply using aerial application equipment.**