

# Proplant™

## Turf and Ornamental Fungicide

Application Type

**T/O**

Turf & Ornamental

For Control of Pythium and Phytophthora

ACTIVE INGREDIENT:	% By Wt.
Propamocarb hydrochloride*	66.8%
OTHER INGREDIENTS:	33.2%
TOTAL:	100.0%

\*Propyl (3-dimethylamino)propylcarbamate hydrochloride  
Contains 6.0 lbs. active ingredient per gallon.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

### FIRST AID

**If swallowed:** Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything to an unconscious person.

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

### HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. **FOR 24-HOUR MEDICAL EMERGENCIES, CALL POISON CONTROL (800) 222-1222.**

For spills, call CHEMTREC® at (800) 424-9300 for assistance.

**Manufactured by:**  
ARYSTA LIFSCIENCE BENELUX  
RUE DE RENORY, 26/1  
BE-4102 OUGRÉE  
BELGIUM

**Distributed By:**  
Sipcam Agro USA, Inc.  
2525 Meridian Parkway, Suite 350  
Durham, NC 27713

EPA Reg. No. 55260-9  
EPA Est. No 60063-GA-001 (Lot No. begins with VL)  
70815-GA-001 (Lot No. begins with CB)

  
**SIPCAM AGRO**  
USA, INC.

  
**PROPLANT**

9504520-000-20170106

**NET CONTENTS: 1 Gallon**

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

Harmful if swallowed or absorbed through the skin. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical resistant gloves made of any waterproof material.
- Shoes plus socks
- A chemical-resistant apron, if dipping cuttings

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENGINEERING CONTROLS STATEMENT**

When handlers use closed systems, closed 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 immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**ENVIRONMENTAL HAZARDS**

For terrestrial uses: Do not apply directly to water, or 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 washwater or rinsate.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. 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 in your State responsible or 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 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 (REI) of 12 hours.

PPE required for early entry into 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

## 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, and greenhouses.

Do not enter or allow others to enter treated areas until spray deposit has dried completely.

## USE RESTRICTIONS

Do not graze or feed clippings from treated areas to livestock. Do not apply this product through any type of irrigation system.

## PRODUCT INFORMATION

PROPLANT TURF AND ORNAMENTAL FUNGICIDE is a completely water miscible fungicide concentrate. PROPLANT TURF AND ORNAMENTAL FUNGICIDE is intended for use on turfgrass, which is subject to Pythium Blight (Cottony Blight, Grease Spot). It may be used after germination to control Pythium damping-off in turf, or on established turf to prevent or control Pythium Blight. PROPLANT TURF AND ORNAMENTAL FUNGICIDE does not afford broad-spectrum disease control for *Rhizoctonia* spp. (Brown Patch), *Sclerotinia* spp. (Dollarspot), or *Helminthosporium* spp. (Leafspot). Use a broad-spectrum fungicide if these diseases coexist with Pythium Blight.

PROPLANT TURF AND ORNAMENTAL FUNGICIDE is also labeled for prevention of root rot and damping-off caused by *Pythium* spp. and *Phytophthora* spp. at all stages of ornamental propagation.

**COMPATIBILITY:** PROPLANT TURF AND ORNAMENTAL FUNGICIDE is compatible with, iprodione, triadimefon, chlorothalonil, chlorpyrifos and thiram. For control of other soil-borne diseases such as *Rhizoctonia* spp. or *Fusarium* spp., PROPLANT TURF AND ORNAMENTAL FUNGICIDE can be tank mixed with thiophanate-methyl. Use the full rate of each fungicide and follow all directions and restrictions appearing on the labels of these products. Follow most restrictive label requirements. Do not tank mix with any product that contains a prohibition on tank mixing.

## CROP USE DIRECTIONS

CROP	APPLICATION RATE OF PROPLANT TURF AND ORNAMENTAL FUNGICIDE	COMMENTS
<b>TURFGRASS:</b> For control of Pythium Blight and Pythium Damping-Off, and Root Rot on Established Turf and Overseeded Areas	<b>Preventive Treatment:</b> 1.3 - 2 fluid ounces per 1,000 sq. ft. in 2 - 5 gallons of water	<b>ESTABLISHED TURF:</b> Apply as a preventive treatment during periods of high humidity favorable to the development of Pythium Blight.
	<b>Curative Treatment:</b> 3 - 4 fluid ounces per 1,000 sq. ft. in 2 - 5 gallons of water	<b>OVERSEEDED AREAS:</b> Apply after germination to control Pythium Damping-Off. <b>RETREATMENT:</b> Retreat at 7 - 21 day intervals if conditions remain favorable for disease development. Use the lower rate for the shorter interval and the higher rate for the longer interval within the application rate range. Under severe disease pressure conditions, use the highest labeled rate and shortest interval.

**Restrictions:** Only for use on golf courses and sod farms. DO NOT USE ON SOD FARMS IN ARIZONA. Do not apply more than a total of 12 fl. oz. (equivalent to 0.57 lb a.i.) of PROPLANT TURF AND ORNAMENTAL FUNGICIDE per 1,000 sq. ft. per year (25 lbs a.i./acre/year).

(continued)

CROP	APPLICATION RATE OF PROPLANT TURF AND ORNAMENTAL FUNGICIDE	COMMENTS
<p><b>ORNAMENTALS:</b> For control of Pythium and Phytophthora on ornamental plants: African Violet, Ageratum, Alyssum, Aster, Azalea, Browallia, Carnation, Celosia, Chrysanthemum, Coleus, Dahlia, Dusty Miller, Easter Lily, Ferns, Geranium, Gloxinia, Impatiens, Lobelia, Marigold, Pansy, Petunia, Poinsettia, Portulaca, Salvia, Snapdragon, Verbena, Violet and Vinca</p>	<p>3 fluid ounces per 10 gallons of water</p>	<p>PROPLANT TURF AND ORNAMENTAL FUNGICIDE is labeled for prevention of root rot and damping-off at all stages of ornamental propagation. PROPLANT TURF AND ORNAMENTAL FUNGICIDE requires no agitation after initial mixing. Use PROPLANT TURF AND ORNAMENTAL FUNGICIDE within one week of mixing. PROPLANT TURF AND ORNAMENTAL FUNGICIDE does not cause phytotoxic symptoms on the listed plants when used as directed. Conduct trials on other ornamental species before extensive use.</p> <p><b>SEEDING:</b> Apply to the seeding area using 3 quarts of solution per 10 sq. ft. Treat before sowing of seeds requiring light and after covering of seeds requiring dark for germination. Do not apply more than two applications per container per year. If a second application is needed, the minimum retreatment interval is 7 days.</p> <p><b>TRANSPLANTING SEEDLINGS:</b> Apply to the transplanting area using 3 quarts of solution per 10 sq. ft. before transplanting.</p> <p>Do not apply more than two applications per container per year. If a second application is needed, retreat at a minimum of 7 days to 6 months depending on the plant species and cultural practice.</p>
	<p>2 fluid ounces per 10 gallons of water</p>	<p><b>TRANSPLANTING CUTTINGS:</b> Drench cutting bed using 2 gallons of solution per 10 sq. ft. before setting. Do not apply more than two applications per container per year. If two, applications are being made, do not exceed 31.5 fluid ounces of PROPLANT TURF AND ORNAMENTAL FUNGICIDE per 1,000 sq. ft. per application. If a second application is needed, retreat at a minimum of 7 days to 6 months depending on the plant species and cultural practice.</p> <p><b>POTTING:</b> Dip bare root plants in the solution before potting. After potting, drench each pot at the rate of 3.5 fluid ounces of solution per 4-inch pot. Do not exceed 31.5 fluid ounces of PROPLANT TURF AND ORNAMENTAL FUNGICIDE per 1,000 sq. ft. per application, and do not apply more than two applications per container per year. If a second application is needed, retreat at a minimum of 7 days to 6 months depending on the plant species and cultural practice.</p>

(continued)

CROP	APPLICATION RATE OF PROPLANT TURF AND ORNAMENTAL FUNGICIDE	COMMENTS
<p><b>Restrictions:</b> Only for use on commercially grown ornamentals in greenhouses and container-grown ornamentals in nurseries. Drench applications must be limited to soil directed sprays. The maximum single application rate for ornamentals must be <math>\leq 82</math> lbs. ai/acre. Ornamental applications must be limited to no more than 2 applications/year and must not exceed the maximum yearly rate of 128 lbs. ai/acre/year. Foliar applications to ornamentals grown for cut flowers are prohibited.</p>		
<p><b>WOODY ORNAMENTALS:</b> For control of <i>Phytophthora</i> spp. on woody ornamentals</p>	<p>2.5 fluid ounces per 10 gallons of water</p>	<p>Drench each container at the rate of 5 quarts of solution per 10 sq. ft. of surface. Do not apply more than two applications per container per year. If two applications are being made, do not exceed 31.5 fluid ounces of PROPLANT TURF AND ORNAMENTAL FUNGICIDE per 1,000 sq.ft. per application. If a second application is needed, retreat at a minimum of 7 days to 6 months depending on the plant species and cultural practice.</p>

## STORAGE AND DISPOSAL

**DO NOT** contaminate water, food or feed by storage and disposal.

**PESTICIDE STORAGE:** Store in original container and keep tightly closed; Store in a cool, dry, secure place.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**CONTAINER HANDLING: Nonrefillable Container:** Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying.

**Nonrefillable container equal to or less than 5 gallons:** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

## NOTICE ON CONDITIONS OF SALE

Directions for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practices. To the extent consistent with applicable law, the buyer assumes all responsibility including injury or damage, resulting from its misuse as such, or in combination with other materials.

Manufactured by:

**ARYSTA LIFESCIENCE BENELUX**

**RUE DE RENORY, 26/1**

**BE-4102 OUGRÉE**

**BELGIUM**

PROPLANT TURF AND ORNAMENTAL FUNGICIDE™ is a registered trademark of Arysta LifeScience Benelux.