

QUALI-PRO

FLUDIOXONIL GROUP 12 FUNGICIDE

PENDANT SC

Fungicide



For control of certain foliar, stem, and root diseases in turfgrass: golf courses, institutional, commercial and residential lawns, sod farms, sports fields, parks, municipal grounds and cemeteries

ACTIVE INGREDIENT:	% BY WT.
Fludioxonil:	11.8%
OTHER INGREDIENTS:.....	88.2%
TOTAL:	100.0%

*CAS No. 131341-86-1

Pendant SC is a suspension concentrate containing 1.04 pounds active ingredient per gallon.

EPA Reg. No. 53883-477
EPA Est. No. 53883-TX-002

Net Contents: 1 GALLON



KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See inside label booklet for First Aid, Precautionary Statements and Directions for Use.



ADAMA

Manufactured for:

**Control
Solutions Inc.**

5903 Genoa Red Bluff, Pasadena, TX 77507

A member of Adama
Consumer and Professional Solutions

EPA 080420

FIRST AID	
If swallowed:	<ul style="list-style-type: none"> ● Call a poison control center or doctor immediately for treatment advice. ● Have person sip a glass of water if able to swallow. ● Do not induce vomiting unless told to by a poison control center or doctor. ● Do not give anything by mouth to an unconscious person.
If in eyes:	<ul style="list-style-type: none"> ● 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 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. You may also contact SafetyCall at 1-866-897-8050 for emergency medical treatment information.	

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

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

User Safety Requirements

Follow the 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.

When handlers use closed systems or enclosed cabs 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 with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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.

Environmental Hazards

For terrestrial uses: This product is toxic to fish, aquatic invertebrates, and oysters and shrimp. 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 washwater or rinsate.

Ground Water Advisory

This chemical has properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

Surface Water Advisory

This chemical may contaminate water through drift of spray in wind. This chemical has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this chemical. A level, well maintained vegetative buffer strip between areas to which this chemical is applied and surface water features such as ponds, streams, and springs, will reduce the potential for contamination of water from rainfall runoff. Runoff of this chemical will be reduced by avoiding applications when conditions favor runoff, such as when soils are saturated and/or significant rainfall is forecast in the next 48 hours. Sound erosion control practices will reduce this chemical's contribution to surface water contamination.

Physical or Chemical Hazards

Do not use or store near heat or open flame. Do not mix or allow coming in contact with oxidizing agents. Hazardous Chemical reaction may occur.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR DISEASE CONTROL OR PLANT INJURY.

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 (REI) of 12 hours. Exception: If the product is applied by drenching, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made from any waterproof material
- Shoes plus socks
- Protective eyewear

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, or greenhouses.

Do not enter treated areas without protective clothing until sprays have dried.

USE RESTRICTIONS

Sale, use and distribution of this product in Nassau and Suffolk counties in the State of New York is prohibited.

RESISTANCE MANAGEMENT

For resistance management, **PENDANT SC** contains a Group 12 fungicide. Any fungal population may contain individuals naturally resistant to **PENDANT SC** and other Group 12 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of **PENDANT SC** or other Group 12 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicide from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.

- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which 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 applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal/bacterial populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance contact Control Solutions, Inc. You can also contact your pesticide distributor or university extension specialist to report resistance.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.

BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce the effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

Handheld Technology Applications:

- Take precautions to minimize spray drift.

Boom-less Ground Applications:

- Do not apply when wind speeds exceed 15 miles per hour at the applications site.
- Do not apply during temperature inversions

MIXING PROCEDURES

Prepare no more mixture than is needed for the immediate operation. Thoroughly clean the spray equipment before using **PENDANT SC**. Agitation is necessary to maintain uniformity of the Spray mixture. Maintain maximum agitation throughout the spraying operation. Do not let the spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area.

PENDANT SC Alone: Add 1/3 of the required amount of water to the spray or mixing tank. With the agitator running, add the required amount of **PENDANT SC** into the spray tank all at once. Continue agitation while adding the remainder of the water. Begin application of the spray solution after the material has completely dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

PENDANT SC + Tank Mixtures: To determine the physical compatibility of **PENDANT SC** with other products, use a jar test, as described below.

Jar Compatibility Test: Using a quart jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders and water-dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.

To determine biological compatibility with other products, mix the products in the desired proportions, apply per label directions on a small area or small number of plants for phytotoxicity prior to widespread use.

This product may not be mixed with any product which prohibits such mixing. Tank mixtures are permitted only in those states where the tank-mix partner is registered. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Add 1/3 of the required amount of water to the spray or mixing tank. With the agitator running, add the required amount of **PENDANT SC** into the tank. Continue agitation while adding the remainder of the water. Then add the specified amount of other products for tank mixture and allow them to become completely dispersed. Continue agitation to maintain a uniform suspension until all of the spray solution has been applied.

TURFGRASS

PENDANT SC is a protectant fungicide for control of certain diseases of turfgrass on golf courses, institutional, commercial and residential lawns, sod farms, sports fields, parks, municipal grounds and cemeteries. **PENDANT SC** provides control of brown patch, leaf spot, yellow patch, summer patch, anthracnose, gray leaf spot, bentgrass dead spot, and pink and gray snow mold when used in an integrated, preventive disease management program. For control of other diseases of turfgrass such as Pythium blight, and yellow tuft, use mefenoxam 22%.

1. Use **PENDANT SC** as a foliar spray in an integrated, preventive disease management program alone or in combination with other approved fungicides for the same uses such as propiconazole, mefenoxam, chlorothalonil, or azoxystrobin.
2. Apply in sufficient water to ensure thorough coverage.
3. Apply after mowing.
4. For control of foliar diseases, allow sprayed area to completely dry before irrigation.
5. Under conditions optimum for high disease pressure, use the higher specified rate and the shorter interval.
6. For optimum turfgrass quality and disease control, use **PENDANT SC** in conjunction with turfgrass management practices that promote good plant health and optimum disease control.
7. Before use of any fungicide, proper diagnosis of the organism causing the disease is important. Use of diagnostic kits or other means of identification of the disease is essential to determine the best control measures.

Use Restrictions: (1) Do not graze animals on treated areas, and, (2) Do not feed clippings from treated areas to livestock or poultry. (3) Do not apply more than 6 fluid ounces of fludioxonil per 1,000 sq. ft. (2.12 lb ai/A) per year on turfgrass.

Turfgrass Disease Control with **PENDANT SC**

Disease	Rate product /1,000 sq. ft.	Application Interval	Instructions
Brown Patch (<i>Rhizoctonia solani</i>)	0.75-1.0 fl. oz. (0.26-0.35 lb ai/A)	7 days	Begin applications prior to disease development. For extended and more broad spectrum disease control (up to 21 days), tank-mix with labeled rates of products containing azoxystrobin approved for the same uses.
	2.0 fl. oz. (0.70 lb ai/A)	14 days	
Brown Ring Patch (<i>Waitea circinata</i> var. <i>circinata</i>) Rhizoctonia Leaf and Sheath Spot [<i>Waitea circinata</i> var. <i>zeae</i> (<i>Rhizoctonia zeae</i>)]	1.0-2.0 fl. oz. (0.35-0.70 lb ai/A)	7-14 days	Apply when conditions are favorable for disease development. For best control, use as a component of a preventive disease control program including azoxystrobin and propiconazole.

(continued)

Disease	Rate product /1,000 sq. ft.	Application Interval	Instructions
Bentgrass Dead Spot (<i>Ophiophaerella agrostis</i>)	1.15-2.0 fl. oz. (0.40-0.70 lb ai/A)	14 days	Begin applications prior to disease development. For more broad-spectrum disease control, tank mix PENDANT SC with labeled rates of products containing propiconazole approved for the same uses.
Anthracnose (<i>Colletotrichum graminicola</i>)	1.0-2.0 fl. oz. (0.35-0.70 lb ai/A)	14 days	Begin applications prior to disease development. For best control, use as a component of a preventive disease control program including chlorothalonil and propiconazole.
Leaf Spot (<i>Bipolaris</i> spp., <i>Drechslera</i> spp.)	1.0-2.0 fl. oz. (0.35-0.70 lb ai/A)	14-21 days	Apply when conditions are favorable for disease development.
Summer Patch (<i>Magnaporthe poae</i>)	2.0 fl. oz. (0.70 lb ai/A)	14 days	Apply when conditions are favorable for disease development. For best disease control, tank-mix PENDANT SC with labeled rates of azoxystrobin.
Yellow Patch (<i>Rhizoctonia/Ceratorhiza cerealis</i>)	2.0 fl. oz. (0.70 lb ai/A)	Spring/Fall	Apply when yellow patch rings are first observed in the spring or fall. A second application can be made 14 days later. For best disease control, tank-mix PENDANT SC with labeled rates of propiconazole.
Snow Mold: Gray (<i>Typhula incarnata</i> , <i>Typhula ishikariensis</i>) Pink (<i>Microdochium nivale</i>)	2.0 fl. oz. (0.70 lb ai/A)	Late Fall	Apply one to two applications in late fall before snow cover. Do not apply on top of snow. For best disease control, tank-mix with one to two registered snow mold products. For example, mix with a combination of propiconazole, and chlorothalonil or chlorothalonil + propiconazole. PENDANT SC at 1.0-1.15 fl. oz. rate can be used when tank mixing with propiconazole and chlorothalonil, when disease conditions are expected to be light to moderate.

(continued)

Disease	Rate product /1,000 sq. ft.	Application Interval	Instructions
Microdochium Patch, Fusarium patch (<i>Microdochium nivale</i> , <i>Fusarium</i> spp.)	1.0-2.0 fl. oz. (0.35-0.70 lb ai/A)	7-14 days	For the control of microdochium patch without snow cover. Under heavy infestations combine with products containing propiconazole approved for the same uses. Repeat applications can be made at 7- to 14-day intervals when conditions are favorable for disease development.
Gray Leaf Spot (<i>Pyricularia grisea</i>)	1.0-2.0 fl. oz. (0.35-0.70 lb ai/A)	14 days	Apply when conditions are favorable for disease development. For best control, use as a component of a preventive disease control program.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

PESTICIDE DISPOSAL: Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the 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 HANDLING:

For plastic containers ≤ 5 gallons: Nonrefillable Container: Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. 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 ¼ 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

LIMITATION OF WARRANTY AND LIABILITY

IMPORTANT: READ BEFORE USE. Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Disclaimer of Warranties and Limitations of Liability. **CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of Control Solutions, Inc. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Control Solutions, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label. **LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, neither Control Solutions, Inc. the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

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