

FLUTOLANIL GROUP 7 FUNGICIDE



**A systemic fungicide for control of Basidiomycete diseases on turf.**

**ACTIVE INGREDIENT:**

Flutolanil: Benzamide, N-[3-(1-methylethoxy)phenyl]-2-(trifluoromethyl) ..... 40.0%

**OTHER INGREDIENTS:** ..... 60.0%

TOTAL 100.0%

Contains 3.8 lbs flutolanil as active ingredient per U.S. gallon

Not for sale, sale into, distribution, and or use in Nassau and Suffolk counties of New York State.

**KEEP OUT OF REACH OF CHILDREN CAUTION**

| FIRST AID   |  |
|---|--|
| <b>If swallowed:</b>  | <ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul> |
| <b>If on skin or clothing:</b>  | <ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>  |
| HOTLINE NUMBER  |  |
| Have the product container or label with you when calling a poison control center or doctor or going for treatment. For additional information on this pesticide product, including human health concerns and medical emergencies, call 1-877-800-5556. In case of fire or spills, information may be obtained by calling 1-800-424-9300. |  |

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

**CAUTION**

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

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical resistant gloves made of any waterproof material such as barrier laminate or polyvinyl chloride ≥ 14 mils.
- 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.

**User Safety Recommendations**

Users should:

- 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.

**ENGINEERING CONTROLS**

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.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish and aquatic invertebrates. 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.

Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water.

This product is classified as having a high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of flutolanil from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

**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 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.

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:

- Coveralls
- Chemical-resistant gloves made of any waterproof material such as barrier laminate or polyvinyl chloride ≥ 14 mils.
- Shoes plus socks

**USE INFORMATION**

Pedigree™ Fungicide SC is a systemic fungicide for control of Brown Patch (*Rhizoctonia solani*), Brown Ring Patch (*Waitea circinata* var. *circinata*), Fairy Ring, Red Thread (*Laetisaria fuciformis*), Pink Patch (*Limonomyces roseipellis*), Yellow Patch (*Rhizoctonia cerealis*), Gray snow mold (*Typhula* spp.), Large Patch (*Rhizoctonia solani* AG 2-2LP) and Leaf and Sheath spot (*Rhizoctonia zeae*, *Rhizoctonia oryzae*), Southern blight (*Sclerotium rolfsii*).

If other diseases are present in the field, Pedigree Fungicide SC can be tank mixed with other fungicides registered for use on those diseases.

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**RESISTANCE MANAGEMENT**

For resistance management, Pedigree Fungicide SC belongs to the succinate dehydrogenase inhibitor class (FRAC Group 7). Any fungal population may contain individuals naturally resistant to Pedigree Fungicide SC and other Group 7 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. PBI-Gordon Corporation encourages responsible product stewardship to ensure effective long-term

control of the fungal diseases on this label. Appropriate resistance-management strategies should be followed.

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

- Rotate the use of Pedigree Fungicide SC or other Group (FRAC groups 7 or 3) fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicides 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 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.

**MIXING DIRECTIONS**

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.

**Pedigree Fungicide SC Alone:** Fill spray tank with ¾ of the amount of water needed for the intended application and then turn on agitation. Pour specified amount of product on the surface of the water in the spray tank. Add the balance of the water to the spray tank with agitation running. Keep agitation running during filling and spraying operations. If spraying must be stopped before emptying the sprayer, resume agitation before spraying the remainder of the load. Mix only as much spray solution as can be sprayed within four hours. Storage and use of the previous day’s spray mix may result in reduced activity.

**Pedigree Fungicide SC in Tank Mixtures:** Begin with clean equipment. Fill spray tank with ¾ of the amount of water needed for the intended application and turn on agitation. If using a buffering agent, add after filling the tank with ¾ amount of water. Do not use oil as carrier or include other additives in the finished spray. Add the recommended amount of tankmix products in the following order while maintaining agitation:

- 1) products in water-soluble packets
- 2) wettable powders
- 3) water-dispersible granulars and/or soluble powders
- 4) flowable liquids (including Pedigree Fungicide SC)
- 5) emulsifiable concentrates
- 6) adjuvants and/or oils
- 7) remaining amount of water to achieve the desired level

Always follow the labeled mixing instructions of any partner products. Keep agitation running during filling and spraying operations. If spraying must be stopped before emptying the sprayer, resume agitation before spraying the remainder of the load. Mix only as much spray solution as can be sprayed within four hours. Storage and use of the previous day’s spray mix may result in reduced activity.

**SPRAY DRIFT MANAGEMENT**

Spray equipment and weather affect spray drift. Consider all factors when making application decisions. Where states have more stringent regulations, they must be observed. Avoiding spray drift is the responsibility of the applicator or grower. To reduce the potential for drift, the application equipment must be set to apply medium or larger droplets (i.e. ASABE Standard 572) with corresponding spray pressure. Use high flow rate nozzles to apply the highest practical spray volume, using the appropriate droplet size to ensure adequate canopy distribution, coverage, and penetration. With most nozzle types, narrow spray angles produce larger droplets. Follow the nozzle manufacturer’s directions on pressure, orientation, spray volume, etc., in order to minimize drift and optimize coverage and control.

The interaction of many equipment and weather related factors determines the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

**PEDIGREE FUNGICIDE SC  
APPLICATION RATE CHART FOR TURF**

**Product Information**

Pedigree Fungicide SC is a systemic fungicide for control of Basidiomycete diseases on turf. This product has shown excellent safety on Kentucky bluegrass, annual bluegrass, annual and perennial ryegrass, red fescue, tall fescue, bentgrass, Bermudagrass, zoysia-grass, and St. Augustine grass.

**Restrictions**

- Do not apply more than 13.25 fl.oz. per 1,000 square feet per calendar year as a broadcast application.
- For use rates greater than 3.0 fl.oz. per 1,000 square feet, do not apply Pedigree Fungicide SC within 100 feet of any freshwater or marine estuary, ditches, drainage tiles, or other waterway that drains directly (within ½ mile) into estuaries.
- Apply no more than a combined total of 6 oz. per 1,000 square feet as a broadcast application per year.

**Applications**

Apply Pedigree Fungicide SC at the dosage rates in the table below as a broadcast application in 2 to 5 gallons of water per 1,000 square feet. For best results, avoid mowing within 24 hours after application. Do not irrigate until sprays have dried. Pedigree Fungicide SC may be tank mixed with other labeled fungicides if other diseases not listed on this label are present.

| Disease   | Rate per 1,000 sq.ft. | Spray Interval (Days) | Application Instructions   |
|---|-----------------------|-----------------------|--|
| Brown patch ( <i>Rhizoctonia solani</i> )<br>Preventive | 2.2 to 3.25 fl.oz.    | 14 to 21              | <ul style="list-style-type: none"> <li>• Apply 2.2 to 3.25 fl.oz. per 1,000 square feet.</li> <li>• Apply by broadcast application using 2 to 5 gallons of water prior to disease development.</li> <li>• Repeat application after a 14 to 21 day interval if conditions favor disease development.</li> </ul> |
| Curative  | 4.4 fl.oz.            | 14                    | <ul style="list-style-type: none"> <li>• Apply 4.4 fl.oz. per 1,000 square feet.</li> <li>• Apply by broadcast application using 2 to 5 gallons of water to turf with active brown patch.</li> <li>• Repeat application after a 14 day interval if conditions favor disease development.</li> </ul>            |

| Disease   | Rate per 1,000 sq.ft. | Spray Interval (Days) | Application Instructions   |
|---|-----------------------|-----------------------|--|
| Large Patch (or Zoysia Patch) ( <i>Rhizoctonia solani</i> ) | 3.25 fl.oz.           | 30                    | <ul style="list-style-type: none"> <li>• Apply 3.25 fl.oz. of Pedigree Fungicide SC per 1,000 sq.ft.</li> <li>• Apply Pedigree Fungicide SC in the fall or spring for control of large brown patch on zoysiagrass.</li> <li>• Disease control is more effective if made prior to or after initial symptom development.</li> <li>• Apply by broadcast application using 2 to 5 gallons of water.</li> <li>• Repeat 30 days later if symptoms persist.</li> <li>• A nonionic surfactant is recommended for best results.</li> <li>• Fall applications may suppress disease development in the following spring.</li> </ul> |

| Disease   | Rate per 1,000 sq.ft. | Spray Interval (Days) | Application Instructions   |
|---|-----------------------|-----------------------|--|
| Fairy Ring (caused by <i>Marasmius</i> spp., <i>Agaricus</i> spp., and <i>Lepiota</i> spp.)<br><br>Preventive | 3.25 fl.oz.           | 21 to 28              | <ul style="list-style-type: none"> <li>Apply 3.25 fl.oz. per 1,000 square feet.</li> <li>Apply by broadcast application using 2 to 5 gallons of water for suppression of the development of fairy ring.</li> <li>A second application may be made at a 21 to 28 day interval if needed.</li> </ul>   |
| Curative  | 6.6 fl.oz.            | 30                    | <ul style="list-style-type: none"> <li>Apply 6.6 fl.oz. per 1,000 square feet.</li> <li>Apply by broadcast application using 2 to 5 gallons of water for suppression of existing fairy ring colonies caused by various basidiomycete pathogens.</li> <li>Application should be made to the area at the first sign of ring development.</li> <li>Aerification of the treatment area prior to application may assist in preventing further disease development.</li> <li>Use of a nonionic surfactant is recommended to maximize coverage and penetration of existing thatch and the upper soil layer.</li> <li>Treated areas should be irrigated prior to and following application to maintain healthy growth of turf.</li> <li>Repeat application after a 30 day interval if conditions continue to favor disease development.</li> </ul> |
| <b>RESTRICTION</b><br>Do not treat more than 10,000 square feet per acre of continuous turf area.             |                       |                       |  |

| Disease   | Rate per 1,000 sq.ft. | Spray Interval (Days) | Application Instructions  |
|---|-----------------------|-----------------------|---|
| Red Thread ( <i>Laetisaria fuciformis</i> )<br>Pink Patch ( <i>Limonomyces roseipellis</i> )<br>Yellow Patch ( <i>Rhizoctonia cerealis</i> )<br>Southern Blight ( <i>Sclerotium rolfsii</i> ) | 2.2 fl.oz.            | 21 to 28              | <ul style="list-style-type: none"> <li>Apply 2.2 fl.oz. per 1,000 square feet.</li> <li>Apply by broadcast application using 2 to 5 gallons of water prior to or at the first sign of disease development.</li> <li>A second application may be made if needed at a 21 to 28 day interval.</li> </ul> |

| Disease  | Rate per 1,000 sq.ft. | Spray Interval    | Application Instructions  |
|--|-----------------------|-------------------|---|
| Gray Snow Mold ( <i>Typhula</i> spp)   | 4.4 to 6.6 fl.oz.     | Before snow cover | <ul style="list-style-type: none"> <li>Apply 4.4 to 6.6 fl.oz. per 1,000 square feet.</li> <li>Apply by broadcast application using 2 to 5 gallons of water prior to snow cover.</li> <li>Use of a nonionic surfactant may enhance control.</li> <li>Pedigree Fungicide SC may be tank mixed with other fungicides if Pink Snow Mold is present.</li> </ul> |
| <b>RESTRICTION</b><br>Do not treat more than 10,000 square feet per acre of turf area. |                       |                   |   |

| Disease  | Rate per 1,000 sq.ft. | Spray Interval (Days) | Application Instructions  |
|--|-----------------------|-----------------------|---|
| Leaf and Sheath spot ( <i>Rhizoctonia zeae</i> , <i>Rhizoctonia oryzae</i> )<br><br>Preventive | 3.25 to 4.4 fl.oz.    | 14 to 21              | <ul style="list-style-type: none"> <li>Apply 3.25 to 4.4 fl.oz. per 1,000 square feet.</li> <li>Apply by broadcast application using 2 to 5 gallons of water for suppression of leaf and sheath spot.</li> <li>A second application may be made at a 14 to 21 day interval if needed.</li> </ul>                          |
| Curative   | 4.4 to 6.6 fl.oz.     | 14                    | <ul style="list-style-type: none"> <li>Apply 4.4 to 6.6 fl.oz. per 1,000 square feet.</li> <li>Apply by broadcast application using 2 to 5 gallons of water to turf with active leaf and sheath spot.</li> <li>Repeat application after a 14 day interval if conditions continue to favor disease development.</li> </ul> |

| Disease  | Rate per 1,000 sq.ft. | Spray Interval (Days) | Application Instructions   |
|--|-----------------------|-----------------------|--|
| Brown Ring Patch of zoysiagrass ( <i>Waitea circinata</i> var <i>circinata</i> )<br><br>Preventive | 3.25 to 4.4 fl.oz.    | 30                    | <ul style="list-style-type: none"> <li>Apply prior to, or at first sign of, disease at a rate of 3.25 to 4.4 fl.oz. per 1,000 square feet.</li> <li>Apply by broadcast application using 2 to 5 gallons of water.</li> <li>A second application may be made 30 days after the first, if needed.</li> </ul> |
| Curative   | 4.4 to 6.6 fl.oz.     | 30                    | <ul style="list-style-type: none"> <li>Apply 4.4 to 6.6 fl.oz. per 1,000 square feet.</li> <li>Apply by broadcast application using 2 to 5 gallons of water if Brown Ring Patch is active.</li> <li>A second application may be made 30 days after the first, if needed.</li> </ul>                        |

**STORAGE AND DISPOSAL**

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

**STORAGE:** Store in original container, and keep tightly closed when not in use. Store in a cool, dry place.

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

**CONTAINER HANDLING:**  
**Nonrefillable plastic container (Less than 5 gallons)**  
 Nonrefillable container. Do not reuse or refill this container. Clean container 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 reconditioning if appropriate 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.

**IMPORTANT: READ BEFORE USE**

By using this product, user or buyer accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be accurate and must be followed carefully. However, because of extreme weather and soil conditions, use methods and other factors beyond the control of PBI-Gordon, Corporation it is impossible for

PBI-Gordon Corporation to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. To the extent consistent with applicable law, all such risks are assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of PBI-Gordon Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, PBI-Gordon Corporation disclaims any liability whatsoever for incidental or consequential damages, including, but not limited to, liability arising out of breach of contract, express or implied warranty (including warranties of merchantability and fitness for a particular purpose), tort, negligence, strict liability or otherwise.

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