



7969-184

1-05-2005

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See read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 2-28-95



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number

### Application for Pesticide - Section I

1. Company/Product Number File Symbol 7969-184	2. EPA Product Manager Cynthia Giles-Parker	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Insignia Fungicide	PM# 22	
5. Name and Address of Applicant (Include ZIP Code) BASF Corporation, Agricultural Products P.O. Box 13528 Research Triangle Park, NC 27709 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

### Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	<b>NOTIFICATION</b>  JAN 05 2005
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)  
Placement of words "Supplemental Labeling" on upper right hand corner of Insignia label.

### Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> on label	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

### Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Charlotte A. Sanson	Title Product Registration Manager	Telephone No. (Include Area Code) (919) 547-2983
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received  (Stamped)
Signature <i>Charlotte A. Sanson</i>	3. Title Product Registration Manager	
4. Typed Name Charlotte A. Sanson	5. Date December 13, 2004	

Insignia.

Supplemental Labeling

NOTIFICATION

JAN 0 5 2005

Top disease control... BASF logo... Insignia... Supplemental Labeling... NOTIFICATION JAN 0 5 2005... BASF logo

<b>FIRST AID</b>	
If swallowed	<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 do so by a poison control center or doctor.</li> <li>•Do not give anything by mouth to an unconscious person.</li> </ul>
If on skin or clothing	<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>
If in eyes	<ul style="list-style-type: none"> <li>•Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>•Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>•Call a poison control center or doctor for advice.</li> </ul>
If inhaled	<ul style="list-style-type: none"> <li>•Move person to fresh air.</li> <li>•If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible.</li> <li>•Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).	

### **Precautionary Statements**

#### **Hazards to Humans and Domestic Animals**

**Caution.** Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing.

#### **Personal Protective Equipment (PPE)**

Some materials that are chemically resistant to this product are listed below. For more options refer to Category A on an EPA chemical resistance category selection chart

#### **Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical resistant gloves made of any waterproof material (such as nitrile, butyl, neoprene and/or barrier laminate)
- Shoes plus socks

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

#### **Engineering Controls Statement**

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 before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing 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**

This product may contaminate water through drift of spray in wind. This product has a potential for runoff for several months or more after applications. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. 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 for contamination of water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Sound erosion control practices will reduce this product's contribution to surface water contamination.

This pesticide is toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. **DO NOT** apply directly to water, to areas where surface water is present, or to intertidal areas below the high water mark. **DO NOT** contaminate water when disposing of equipment wash waters or rinsate.

### **Endangered Species Concerns**

The use of any pesticide in a manner that may kill or otherwise harm an endangered species or adversely modify their habitat is violation of federal law. This pesticide is toxic to fish and aquatic invertebrates and must be used strictly in accordance with drift precautions on this label in order to minimize off-site exposures. **DO NOT** apply when weather conditions favor drift from treated areas to aquatic habitats. Notify State and/or Federal authorities and BASF immediately if you observe any adverse environmental effects due to use of this product.

To determine whether your county has endangered aquatic species, consult the County Bulletins at <http://www.epa.gov/espp/usa-map.htm>. Endangered Species Bulletins may also be obtained from extension offices or state pesticide agencies. If a bulletin is not available for your specific area, check with the appropriate local state agency to determine if known populations of endangered aquatic species occur in the area to be treated.

## Directions For Use

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

For use only by commercial applicators or persons under their direct supervision.

**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), notification of workers, 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 Nitrile, Butyl, Neoprene, and/or Barrier Laminate)
- Shoes plus socks

### Nonagricultural Use Requirements

The requirements in this box apply to uses of this product that are **NOT** within the scope of the Worker Protection Standard of agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, nurseries, or greenhouses.

**DO NOT enter or allow others to enter treated areas until sprays have dried.**

## Storage and Disposal

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

**Pesticide Storage:** Store in original containers only. Keep container closed when not in use. **DO NOT** store near food or feed. In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to label.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. If these wastes cannot be disposed of 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:** Triple rinse (or equivalent). 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.

## In Case of Spill

In case of large-scale spillage regarding this product, call:

CHEMTREC 1-800-424-9300  
BASF Corporation 1-800-832-HELP (4357)

### Steps to be taken in case material is released or spilled:

Dike and contain spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal.

Remove contaminated clothing, and wash affected skin areas with water.

Wash clothing before re-use.

Keep spill out of all sewers and open bodies of water.

## I. General Information

This package contains **Insignia® fungicide**, a water dispersible granule (WG). The active ingredient in **Insignia**, pyraclostrobin, is a member of the **strobilurin class of chemistry** and is derived from a natural antifungal substance. Optimum disease control is achieved when **Insignia** is applied in a regularly scheduled protective spray program and is used in a rotation program with other fungicides. Because of its high specific activity, **Insignia** has good residual activity against target fungi.

**Mode of Action:** Pyraclostrobin, the active ingredient of **Insignia**, belongs to the group of respiration inhibitors classified by the U.S. EPA and Canada PMRA as **Quinone Outside Inhibitors (QoI)** or Target Site of Action **Group 11** fungicides.

## II. Application Information

**Insignia** is a broad-spectrum fungicide recommended for the control of many important diseases of turfgrass. For maximum efficacy, **Insignia** should be applied preventively but also may be used curatively for some diseases. **Insignia** may be applied as a solo foliar spray or in tank mixes with other registered turfgrass fungicides. **DO NOT** exceed the recommended application rate or fail to comply with use restrictions listed in the **Resistance Management and General Restrictions and Limitations** sections. All applications should be made according to the use directions that follow. Failure to follow directions and precautions on this label may result in turfgrass injury and/or inferior disease control.

**Turfgrass Uses and Tolerance:**

Due to variability within turfgrass species, application techniques and possible tank mixes, neither the manufacturer nor the seller has determined whether or not **Insignia® fungicide** can safely be used on all turfgrasses under all conditions.

Therefore, it is recommended that the user determine if **Insignia** can be used safely before broad use. Apply the recommended use rate of **Insignia** on a small test area under conditions expected to be encountered. Monitor for any adverse effects during a 14-day period after application.

**Spray Instructions:**

For maximum efficacy, **Insignia** should be applied prior to or in the early stages of disease development. For maximum efficacy, apply **Insignia** at the rates indicated in **Table 1** in 2 to 4 gallons of water per 1,000 square feet (87 to 174 gallons per acre). Use the shorter specified application interval and/or the higher specified rate when prolonged favorable disease conditions exist. Applications should be repeated at the specified interval as necessary.

- **Insignia** is most effective when applied preventatively.
- Actual length of disease control will vary depending on environmental conditions, disease pressure, and turfgrass management practices.
- Calibrate spray prior to use.
- After application, allow foliage to dry prior to mowing or irrigation.
- Apply **Insignia** using sufficient water volume and pressure for adequate coverage of the foliage.
- Apply the recommended rate of **Insignia** as instructed in the Specific Use Directions with ground

Aerial application of **Insignia** is not permitted.

**Spray Drift Management**

**DO NOT** spray when conditions favor drift beyond area intended for application. Conditions which may contribute to drift include thermal inversion, wind speed and direction, spray nozzle/pressure combinations, spray droplet size, temperature/humidity, etc. Contact your state extension agent for spray drift prevention guidelines in your area. All application equipment must be properly maintained and calibrated using appropriate carriers. Avoiding spray drift at the application site is the responsibility of the applicator.

**Wind**

Drift potential is lowest when wind speed does not exceed 10 mph. However, many factors, including droplet size and equipment typed, determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

**Temperature and Humidity**

Low humidity and high temperatures increase the evaporation of spray droplets and therefore the likelihood of increased spray drift.

Avoid spraying during conditions of low humidity and/or high temperatures. When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation.

Droplet evaporation is most severe when conditions are both hot and dry.

**Temperature Inversions**

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified 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.

**Sensitive Areas**

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. bodies of water or non-target crops) is minimal and when wind is blowing away from the sensitive areas.

**Resistance Management**

**Insignia** contains pyraclostrobin, a **Group 11** fungicide, and is effective against pathogens resistant to fungicides with modes of action different from those of QoI fungicides (target site of action **Group 11**), such as the dicarboximides, sterol inhibitors, benzimidazoles, or phenylamides. Fungal isolates resistant to **Group 11** fungicides, such as pyraclostrobin, azoxystrobin, and trifloxystrobin may eventually dominate the fungal population if **Group 11** fungicides are used predominantly and repeatedly in the same turfgrass area in successive years as the primary method of control for the targeted pathogen species. This may result in reduction of disease control by **Insignia** or other **Group 11** fungicides.

To maintain the performance of **Insignia** in turfgrass, **DO NOT** exceed the total number of sequential applications of **Insignia**. Adhere to the label instructions regarding the consecutive use of **Insignia** or other target site of action **Group 11** fungicides that have a similar site of action on the same pathogens.

**The following recommendations may be considered to delay the development of fungicide resistance:**

1. **Tank mixtures:** Use tank mixtures with fungicides from different target site of action Groups that are registered/permited for the same use and that are effective against the pathogens of concern. BASF recommends using at least the minimum labeled rates of each fungicide in the tank mix.

2. **IPM: Insignia® fungicide** should be integrated into an overall disease and pest management program.

Cultural practices known to reduce disease development should be followed. **Insignia** may be used in advisory (disease forecasting) programs which recommend application timing based on environmental factors favorable for disease development.

3. **Monitoring:** Monitor efficacy of all fungicides used in the disease management program against the targeted pathogen and record other factors that may influence fungicide performance and/or disease development. If a **Group 11** target site fungicide, such as **Insignia** appears to be less effective against a pathogen that it previously controlled or suppressed, contact a BASF representative or local turfgrass expert for further investigation.

**DO NOT** make more than two (2) sequential applications of **Insignia** for Pythium blight, gray leaf spot, dollar spot, or anthracnose. Then alternate to an

effective non-strobilurin fungicide before reapplying **Insignia**.

**DO NOT** make more than three (3) consecutive applications of **Insignia** for all other diseases. Then alternate to an effective non-strobilurin fungicide before reapplying **Insignia**.

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### III. Addition of Additives

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**DO NOT** use with organosilicate-based adjuvants or turfgrass injury may occur. Due to the large number of additives or adjuvants that may be used, neither the manufacturer nor the seller has determined whether **Insignia** can be used safely with all additives.

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### IV. General Tank Mixing Information

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#### Tank Mix Partners/Components

**Insignia** is compatible with most fungicide, insecticide and fertilizer products. If tank mixtures are used, adhere to restrictions due to rates, label recommendations and precautions on all labels.

Physical incompatibility, reduced disease control, or turfgrass injury may result from mixing **Insignia** with fungicides, herbicides, insecticides, additives, or fertilizers. To improve control of certain diseases, **Insignia** may be tank mixed with other effective (non-strobilurin) fungicides such as Curalan® EG fungicide, Iprodione Pro or Propiconazole Pro.

#### Compatibility Test for Tank Mix Components:

Add components in the following sequence using 2 teaspoons for each pound or 1 teaspoon for each pint of recommended label rate per acre.

- 1) **Water:** For 87 gallons per acre (2 gallons per 1000 square feet) spray volume, use 14.4 cups (3.5 liters) of water. For other spray volumes, adjust rates accordingly. Use only water from the intended source at the source temperature.
- 2) **Water-dispersible products:** (dry flowables, wettable powders, suspension concentrates, or suspo-emulsions)- Cap the jar and invert 10 cycles.
- 3) **Water-soluble products:** Cap the jar and invert 10 cycles.
- 4) **Emulsifiable concentrates:** (oil concentrate or methylated seed oil when applicable)- Cap the jar and invert 10 cycles.
- 5) **Water-soluble additives:** Cap the jar and invert 10 cycles.
- 6) Let the solution stand for 15 minutes.
- 7) **Evaluate** the solution for uniformity and stability. The spray solution should not have free oil on the surface, nor fine particles that precipitate to the bottom, nor thick (clabbered) texture. Do not use any spray solution that could clog spray nozzles.

**Mixing Order:**

Limit amount of spray mixture prepared to that needed for immediate use.

- 1) **Water** Begin by agitating a thoroughly clean sprayer tank half full of clean water.
- 2) **Products in PVA bags** Place the water-soluble PVA bag into the mixing tank. The water-soluble PVA bag will dissolve in water to allow the contents to disperse. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
- 3) **Water-dispersible products** (dry flowables such as **Insignia® fungicide**, wettable powders, suspension concentrates, or suspo-emulsions)
- 4) **Water-soluble products**
- 5) **Emulsifiable concentrates** (oil concentrate or methylated seed oil when applicable)
- 6) **Water-soluble additives** (AMS or UAN when applicable)
- 7) Remaining quantity of **water**

Maintain maximum constant agitation during application. **DO NOT allow mixture to stand for extended periods prior to application.**

**Cleaning Spray Equipment:**

Spraying equipment must be cleaned thoroughly before and after applying this product, particularly if a product with the potential to injure turfgrass was used prior to **Insignia**.

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## V. General Restrictions and Limitations

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- **Maximum seasonal use rate: DO NOT** apply more than a total of 5.5 ounces of **Insignia** per 1,000 sq. ft. per year (15.0 pounds **Insignia** per acre per year).
- Refer to section **Specific Use Directions** for sequential application intervals for **Insignia**.
- **DO NOT** apply this product to crops other than **turfgrass**.
- **DO NOT** apply through any type of **irrigation** equipment to **turfgrass**.
- This product cannot be used to **formulate** or reformulate any other pesticide product.

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## Specific Use Directions

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**Insignia** is recommended for the control of anthracnose, bentgrass dead spot, bermudagrass decline, brown patch, dollar spot (suppression only), fairy ring, Fusarium patch, gray leaf spot, gray snow mold, leaf spot, melting out, pink patch, pink snow mold, powdery mildew, Pythium blight, rapid blight, red thread, rust, summer patch, take-all patch and yellow tuft (downy mildew).

**Insignia** provides significant suppression but not complete control of dollar spot. When used to control other diseases and dollar spot pressure is moderate to severe, tank mix **Insignia** with another effective (non-strobilurin) fungicide. For optimum control of gray snow mold and pink snow mold, tank mix **Insignia** with another effective (non-strobilurin) fungicide.

**Rate:** Use the application rates specified for each disease as listed in **Table 1**. Apply **Insignia** in 2 to 4 gallons of water per 1,000 square feet (87-174 gallons per acre).

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<b>Table 1. Application Rates and Intervals for Insignia® fungicide on Turfgrass</b>				
<b>Disease (Pathogen)</b>	<b>Use Rate(oz. Product per 1,000 sq. ft.)</b>	<b>Use Rate(oz. Product per Acre)</b>	<b>Application Interval (days)</b>	<b>Comments<sup>1</sup></b>
Anthraxnose ( <i>Colletotrichum graminicola</i> )	0.5 to 0.9	22 to 40	14 to 28	Use preventively. Begin applications when conditions are favorable for fungal infection, prior to disease symptom development.
Bentgrass Dead Spot ( <i>Ophiosphaerella agrostis</i> )	0.5 to 0.9	22 to 40	14 to 28	Use preventively. Begin applications when conditions are favorable for fungal infection, prior to disease symptom development.
Bermudagrass Decline ( <i>Gaeumannomyces graminis var. graminis</i> )	0.9	40	Not Applicable (see comments)	Aids in control of bermudagrass decline when integrated with appropriate cultural practices such as raised mowing height, proper fertilization and core aeration. Make one application in the spring following green-up and a second application in the fall when air temperatures remain above 80° F and humidity is 75% or higher. Apply in 4 gallons of water per 1,000 sq ft.
Brown Patch ( <i>Rhizoctonia solani</i> )	0.5 to 0.9	22 to 40	14 to 28	Apply when conditions are favorable for disease development.
Dollar Spot ( <i>Sclerotinia homoeocarpa</i> ) <b>(Suppression Only)</b>	0.9	40	14	<b>Insignia</b> provides significant suppression but not complete control of dollar spot. When used to control other diseases and dollar spot pressure is moderate to severe, tank mix <b>Insignia</b> with another effective dollar spot fungicide such as Curalan® EG fungicide, Iprodione Pro or Propiconazole Pro. Begin applications when conditions are favorable for fungal infection, prior to disease symptom development.
Fairy Ring (various <i>Basidiomycete</i> fungi)	0.9	40	28	Apply as soon as possible after fairy ring symptom development. Fairy ring symptoms may take 2 to 3 weeks to disappear following application. Reapplication after 28 days may be required.
Fusarium patch ( <i>Microdochium nivale</i> )	0.5 to 0.9	22 to 40	14 to 28	In the absence of snow cover, use preventively. Begin applications when conditions are favorable for fungal infection, prior to disease symptom development.
Gray Leaf Spot ( <i>Pyricularia grisea</i> )	0.5 to 0.9	22 to 40	14 to 28	Use preventively. Begin applications when conditions are favorable for fungal infection, prior to disease symptom development.



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Table 1: (cont'd). Application Rates and Intervals for Insignia® fungicide on Turfgrass				
Disease (Pathogen)	Use Rate(oz. Product per 1,000 sq. ft.)	Use Rate(oz. Product per Acre)	Application Interval (days)	Comments <sup>1</sup>
Gray Snow Mold ( <i>Typhula incarnata</i> )	0.9	40	14 to 28	Make 2 applications, 14 to 28 days apart in late fall just prior to snow cover. For optimum control before extended periods of snow cover, make 1 or 2 applications of <b>Insignia</b> at 0.7 to 0.9 oz per 1,000 sq ft tank mixed with another effective (non-strobilurin) fungicide such as Iprodione Pro, Curalan® EG or Propiconazole Pro.
Leaf Spot( <i>Bipolaris</i> , <i>Drechslera</i> , and <i>Exserohilum</i> spp.)	0.5 to 0.9	22 to 40	14 to 28	Apply when conditions are favorable for disease development.
Melting Out ( <i>Drechslera poae</i> )	0.5 to 0.9	22 to 40	14 to 28	Apply when conditions are favorable for disease development.
Pink Patch ( <i>Limonomyces roseipellis</i> )	0.5 to 0.9	22 to 40	14 to 28	Apply when conditions are favorable for disease development.
Pink Snow Mold ( <i>Microdochium nivale</i> )	0.9	40	14 to 28	Make 2 applications, 14 to 28 days apart in late fall just prior to snow cover. For optimum control before extended periods of snow cover, make 1 or 2 applications of <b>Insignia</b> at 0.7 to 0.9 oz per 1,000 sq ft tank mixed with another effective (non-strobilurin) fungicide such as Iprodione Pro, Curalan EG or Propiconazole Pro.
Powdery Mildew ( <i>Blumeria graminis</i> )	0.5 to 0.9	22 to 40	14 to 28	Use preventively. Begin applications when conditions are favorable for fungal infection, prior to disease symptom development.
Pythium blight ( <i>Pythium aphanidermatum</i> , <i>Pythium</i> spp.)	0.9	40	10 to 14	Use preventively. Begin applications when conditions are favorable for fungal infection, prior to disease symptom development. Tank mix <b>Insignia</b> with another (non-strobilurin) fungicide labeled for Pythium blight control during severe disease pressure or when symptoms are already present.
Rapid Blight ( <i>Labyrinthula terrestris</i> )	0.5 to 0.9	22 to 40	14	Use preventively. Begin applications when conditions are favorable for fungal infection, prior to disease symptom development.
Red Thread ( <i>Laetisaria fuciformis</i> )	0.5 to 0.9	22 to 40	14 to 28	Apply when conditions are favorable for disease development.
Rust ( <i>Puccinia</i> and <i>Uromyces</i> spp.)	0.5 to 0.9	22 to 40	14 to 28	Apply when conditions are favorable for disease development.
Summer patch ( <i>Magnaporthe poae</i> )	0.5 to 0.9	22 to 40	14 to 28	Initiate applications in the spring when soil temperatures reach 60 to 65° F at a 2-inch soil depth, or as dictated by local recommendations.

**Table 1: (cont'd). Application Rates and Intervals for Insignia® fungicide on Turfgrass**

Disease (Pathogen)	Use Rate(oz. Product per 1,000 sq. ft.)	Use Rate(oz. Product per Acre)	Application Interval (days)	Comments <sup>1</sup>
Take-all patch ( <i>Gaeumannomyces graminis var. avenae</i> )	0.9	40	28	Use preventively. Begin applications when conditions are favorable for fungal infection, prior to disease symptom development. Make 2 applications, 28-days apart, in the fall, and 2 applications, 28-days apart, in the spring.
Yellow tuft (Downy Mildew ( <i>Sclerophthora macrospora</i> ))	0.5 to 0.9	22 to 40	14 to 28	Use preventively. Begin applications when conditions are favorable for fungal infection, prior to disease symptom development.

<sup>1</sup> **DO NOT** apply more than two (2) sequential applications of **Insignia** for anthracnose, dollar spot, gray leaf spot or Pythium blight. For all other diseases, when anthracnose, dollar spot, gray leaf spot or Pythium blight are not present, do not apply more than three (3) sequential applications of **Insignia**. Then alternate to an effective non-strobilurin fungicide before reapplying **Insignia**.

**Table 2. Dilution Table for Spray Solutions of Insignia® fungicide**

Ounces of <b>Insignia</b> per 100 gallons of spray solution			
Insignia Use Rate (oz. per 1,000 sq. ft.)	Spray Volume- 2 gallons per 1,000 sq. ft.	Spray Volume- 3 gallons per 1,000 sq. ft.	Spray Volume- 4 gallons per 1,000 sq. ft.
0.5	25	16.7	12.5
0.7	35	23.3	17.5
0.9	45	30	22.5

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### **Conditions of Sale and Warranty**

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. All such risks shall be assumed by the Buyer. BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above. BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL BASF OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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The Chemical Company



The Chemical Company

Agricultural Products Division

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December 13, 2004

Document Processing Desk (NOTIF)  
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US Environmental Protection Agency  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

**Subject: Insignia® Fungicide  
EPA Registration No. 7969-184**

Dear Sir/Madam:

On December 1, 2004, EPA approved amended labeling for Insignia® Fungicide, EPA Registration No. 7969-184 (copy attached). The purpose of this notification is to place the words "Supplemental Labeling" in the upper right hand corner of the label so that the label may be distributed along with the existing product inventory containing the prior-approved product label. BASF is re-labeling the product inventory with the new product label, and this process is expected to be complete by April 2005. Enclosed are one copy of amended labeling, with marked revisions, and a completed EPA 8570-1 Registration Application form.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under section 12 and 14 of FIFRA.

Thank you for your attention to this matter. If you have any questions or need further information, please contact me directly at (919) 547-2983, or by e-mail at [sansonc@basf.com](mailto:sansonc@basf.com).

Regards,  
BASF Corporation  
Agricultural Products Division

Charlotte A. Sanson  
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