**Can Be Used in Organic Gardening**

**ACTIVE INGREDIENT:**
- *Pseudomonas chlororaphis* strain AFS009*** .......................................................... 50.0%

**OTHER INGREDIENTS:** .......................................................................................... 50.0%

**TOTAL: ...................................................................................................................100.0%**

***Contains not less than 1 X 10⁶ cfu/g of product.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**FIRST AID**

| IF INHALED: | • Move person to fresh air.  
| | • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.  
| | • Call a poison control center or doctor for treatment advice. |

| IF IN EYES: | • 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. |

| 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. |

| IF SWALLOWED: | • 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 do so by the poison control center or doctor.  
| | • Do not give anything by mouth to an unconscious person. |

**HOTLINE 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 1-800-222-1222 for emergency medical treatment information.

**EPA REG. NO.:** 91197-3-92488  
**EPA EST. NO.:** 70815-GA-001  
**NET WEIGHT:** 4oz  
**LOT:**  
**Manufactured by:**  
AgBiome Innovations®, Inc  
104 T.W. Alexander Drive, Building 18  
Research Triangle Park, NC 27709
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if inhaled, absorbed through the skin, or swallowed. Causes moderate eye irritation. Avoid breathing dust or spray mist. Avoid contact with skin, eyes or clothing. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS
This product may be toxic to bees and other pollinating insects exposed to direct treatment. Do not apply this product while bees or other pollinating insects are actively visiting the treatment area. This product may be toxic to certain nontarget terrestrial arthropods.

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

DIRECTIONS FOR USE – HOME AND GARDEN AND TURF

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

HOME AND GARDEN USE DIRECTIONS

Howler® Lawn and Garden Organic Fungicide is a biological fungicide for use to control or suppress diseases in bedding plants, annuals and perennials, home vegetable gardens, and ornamental trees and shrubs. Diseases controlled or suppressed include: Anthracnose (*Colletotrichum graminicola*), Botrytis (*Botrytis* spp.), Early Blight (*Alternaria solani)*, Gray Mold (*Botrytis cinerea*), Late Blight (*Phytophthora infestans*), *Pythium*, *Fusarium*, and *Rhizoctonia*. Howler® Lawn and Garden Organic Fungicide must be mixed with water and may be applied as a soil drench or foliar spray.

*Not for use in California.

WHEN TO USE
For best results, apply Howler® Lawn and Garden Organic Fungicide at the time of planting and at the first sign of disease. Repeat applications for plant diseases every 7 – 14 days.

BEFORE YOU USE
Read and follow these directions when using:

• Do not allow spray to drift from application site.
• Use only with pressurized hand-held sprayers, backpack sprayers, or spray trigger bottles.
TURF USE DIRECTIONS

Use on all cool and warm season turfgrass varieties including Bentgrass, Bluegrass, Bermudagrass (common and hybrid), Fescue, Ryegrass, St. Augustine, Zoysia, Paspalum and Poa Annua. Use in or on greens, tees, fairways and roughs, sports turf, parks, cemeteries, commercial turf, roadsides, residential lawns, sod farms, seed production grasses and all ornamental grass varieties.

For target plant diseases see Turf Application Table.

WHEN TO USE

Apply Howler® Lawn and Garden Organic Fungicide throughout the growing season on all types of turfgrass varieties. Apply when ground temperature has reached 45°F (7°C) or above until late fall prior to light frost. Begin applications prior to when environmental conditions are conducive to disease development and throughout periods of disease and stress.

TURF APPLICATIONS

<table>
<thead>
<tr>
<th>TARGET DISEASE</th>
<th>APPLICATION RATE</th>
<th>APPLICATION INTERVAL</th>
<th>APPLICATION VOLUME</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthracnose (&lt;i&gt;Colletotrichum graminicola&lt;/i&gt;)</td>
<td>1.8 – 6 oz Howler® per 1000 square feet</td>
<td>7 – 21 days</td>
<td>Root Diseases: Spray at a rate of 2 – 4 gallons of tank mix per 1000 square feet of turf (7.5 – 15 liters of tank mix per 100 square meters of turf) to ensure soil penetration.</td>
<td>Begin applications prior to when conditions are conducive to disease development. Continue applications throughout periods of disease and stress.</td>
</tr>
<tr>
<td>Brown Patch (&lt;i&gt;Rhizoctonia&lt;/i&gt; spp.)</td>
<td></td>
<td></td>
<td>Foliar Diseases: Spray at a rate of 1 – 6 gallons of tank mix per 1000 square feet of turf (3.78 – 22.7 liters of tank mix per 100 square meters of turf) to provide thorough coverage.</td>
<td></td>
</tr>
<tr>
<td>Dollar Spot** (&lt;i&gt;Sclerotinia&lt;/i&gt;)</td>
<td></td>
<td></td>
<td>**Suppression of Dollar Spot requires preventative applications and better suppression is noted in moderate to low disease pressure.</td>
<td></td>
</tr>
<tr>
<td>Fusarium Patch (&lt;i&gt;Fusarium nivale&lt;/i&gt;)</td>
<td></td>
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<tr>
<td>Pythium Blight</td>
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<tr>
<td>Pythium Root Rot</td>
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<tr>
<td>Pythium Crown Rot (&lt;i&gt;Pythium&lt;/i&gt; spp.)</td>
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</tr>
</tbody>
</table>

**Suppression of Dollar Spot requires preventative applications and better suppression is noted in moderate to low disease pressure.
Turf Establishment Applications for Pathogen/Disease Control or Suppression

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>APPLICATION RATE</th>
<th>TIMING AND FREQUENCY</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Seeding, Over Seeding, and Hydro Seeding</td>
<td>1.8 – 6 oz Howler® per 1000 square feet</td>
<td>Apply at time of seed germination. Repeat every 14 days during growing period.</td>
</tr>
<tr>
<td>Sod Installation</td>
<td>1.8 – 6 oz Howler® per 1000 square feet</td>
<td>Apply at time of installation and repeat in 14 – 28 days. Continue during disease and stress period.</td>
</tr>
<tr>
<td>Sod Production</td>
<td>1.8 – 6 oz Howler® per 1000 square feet</td>
<td>Begin applications at time of seeding, plugging, or newly cut ribbons. Continue monthly during disease and stress periods.</td>
</tr>
</tbody>
</table>

How to use for Pressurized Hand-Hand Sprayers and Spray Trigger Bottles
- Fill sprayer or bottle with appropriate amount of water and Howler® Lawn and Garden Organic Fungicide.
- Mix the spray solution thoroughly.
- Keep the spray solution agitated during application.

How to use for Hose-End Sprayers
Follow hose-end sprayer instructions to determine how to fill, set dial, clean and disconnect from hose. Set dial on sprayer to deliver rate as directed below.

How Much to Use for All Applications
3.5 - 5 tablespoons of Howler® Lawn and Garden Organic Fungicide per gallon of water.

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

Pesticide Storage: Store in a cool, dry place. Avoid overheating.
Pesticide Disposal and Container Handling: Nonrefillable container. Do not reuse or refill this container. If empty: Place in trash or offer for recycling, if available. If partially filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

Uses of Howler® Lawn and Garden Organic Fungicide other than those specified on this label are not licensed or otherwise authorized through the purchase of this product and the use of this product for other purposes including research and/or experimental uses are expressly prohibited without the written consent of AgBiome Innovations®, Inc.
CONDITIONS OF SALE AND LIMITATION OF WARRANTY
AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the unopened product at once, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risk inherently associated with the use of this product. Plant injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, plant conditions, presence of other materials or other influencing factors in the use of this product, which are beyond the control of AgBiome Innovations®, Inc. or Seller. To the extent consistent with applicable law, Buyer and User agree to hold AgBiome Innovations®, Inc. and Seller harmless for any claims relating to such factors.

AgBiome Innovations®, Inc. warrants that this product conforms to the description on this label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with the directions under normal use conditions. To the extent consistent with applicable law, (1) this warranty does not extend to the use of this product contrary to this label or under conditions not reasonably foreseeable to or beyond the control of the Seller or AgBiome Innovations®, Inc., and (2) Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, AGBIOME INNOVATIONS®, INC. MAKES NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL.

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ACTIVE INGREDIENT:
Pseudomonas chlororaphis strain AFS009*** ..............50.0%

OTHER INGREDIENTS: ..............................................50.0%

TOTAL: .......................................................................100.0%

***Contains not less than 1 X 10^6 cfu/g of product.

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IF INHALED:
• Move person to fresh air.
• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
• Call a poison control center or doctor for further treatment advice.

IF IN EYES:
• 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.
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• Call a poison control center or doctor immediately for treatment advice.
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STORAGE AND DISPOSAL

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

Pesticide Storage: Store in original container in a cool, dry place. Avoid overheating.

Pesticide Disposal: To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

Container Handling: Nonrefillable container. Do not reuse or refill this container.

Completely empty bag into application equipment. Then, offer for recycling if available, or dispose of empty bag in a sanitary landfill or by incineration. Do not burn, unless allowed by state and local ordinances. (For instances where state and local ordinances do allow burning): If burned, stay out of smoke.

See label booklet for additional Precautionary Statements and Directions for Use.

EPA Reg. No.: 91197-3-92488
EPA Est. No.: 70815-GA-001

Manufactured for:
AgBiome Innovations® Inc.
PO Box 14069
Research Triangle Park, NC 27709

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