



HOWLER®

LAWN AND GARDEN

fungicide

GROUP BM02 FUNGICIDE

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 10⁸ CFU/g of product.

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE INSIDE FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

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.

You may also contact 1-800-262-8200 for emergency medical treatment information.

EPA REG. NO.: 91197-3-92488

EPA EST. NO.: 92488-NC-01

NET WEIGHT: 4 OZ

BATCH/LOT NO.

Manufactured for:
AgBiome Innovations®, Inc.
104 TW Alexander Drive
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. 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.

ENVIRONMENTAL HAZARDS

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 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 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 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.

HOW TO USE FOR PRESSURIZED HAND-HELD SPRAYERS, BACKPACK SPRAYERS AND SPRAY TRIGGER BOTTLES

- Fill sprayer or bottle with appropriate amount of water and Howler® Lawn and Garden Fungicide.
- Mix the spray solution thoroughly.
- Keep the spray solution agitated during application.

HOW MUCH TO USE FOR ALL APPLICATIONS

3.5 - 5 tablespoons of Howler® Lawn and Garden Fungicide per gallon of water.

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 residential lawns and all ornamental grass varieties.

For target plant diseases see Turf Application Table.

WHEN TO USE

Apply Howler® Lawn and Garden 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				
TARGET DISEASE	APPLICATION RATE	APPLICATION INTERVAL	APPLICATION VOLUME	REMARKS
Anthracnose* <i>(Colletotrichum graminicola)</i> Brown Patch <i>(Rhizoctonia spp.)</i> Dollar Spot** <i>(Sclerotinia)</i> Fusarium Patch* <i>(Fusarium nivale)</i> Pythium Blight Pythium Root Rot Pythium Crown Rot <i>(Pythium spp.)</i>	3.5 – 5 tablespoons per gallon of water	7 – 21 days	Root Diseases: Spray at a rate of 2 – 4 gallons of diluted Howler® per 1000 square feet of turf to ensure soil penetration. Foliar Diseases: Spray at a rate of 1 – 6 gallons of diluted Howler® per 1000 square feet of turf to provide thorough coverage.	Begin applications prior to when conditions are conducive to disease development. Continue applications throughout periods of disease and stress.

*Not for Use in California

**Suppression of Dollar Spot requires preventative applications and better suppression is noted in moderate to low disease pressure.

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.

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AFS009 Plant Protection, Inc. 104 TW Alexander Drive, Research Triangle Park, NC 27709 manufactures this product for AgBiome Innovations, Inc.