



# Garden Sentinel<sup>TM</sup> Biofungicide

READY-TO-USE

**Provides fungal and bacterial plant protection**

#### ACTIVE INGREDIENT:

*Bacillus amyloliquefaciens* strain D747\* ..... 9.88%

OTHER INGREDIENTS ..... 90.12%

TOTAL ..... 100.00%

\*Contains a minimum of 5x10<sup>8</sup> colony-forming units (cfu) per milliliter.

KEEP OUT OF REACH OF CHILDREN

**CAUTION**

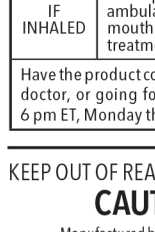
See back panels for first aid and directions for use.

EPA Reg. No. 70051-114-56872

EPA Est. No. 50591-GA-01

NET CONTENTS: 22 FL. Oz.

64410



# Garden Sentinel<sup>TM</sup> Biofungicide

READY-TO-USE

Ready-To-Use Aqueous Suspension Biofungicide/Bactericide for control of plant diseases in and around homes and home gardens: houseplants, potted plants, vegetables, ornamental and fruit trees, shrubs, flowers, bedding plants, and topped ornamental plants

KEEP OUT OF REACH OF CHILDREN

**CAUTION**

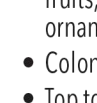
Manufactured by Certis USA LLC  
9145 Guilford Road, Suite 175  
Columbia, MD 21046

#### BATCH CODE:

Distributed by Gardens Alive!<sup>®</sup>, Inc.  
706 W. Cumberland St. Lewisburg, OH 45338  
Phone: 513-354-1483 www.GardensAlive.com

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**FOR ORGANIC GARDENING**

- For use on houseplants, tropical plants, flowering plants, vegetables, shrubs, fruits, nuts and ornamental trees
- Colonizes roots
- Top to bottom disease control when used for both foliar and soil treatment
- Triggers plant immune response
- Provides fungal and bacterial plant protection
- For indoor/outdoor use
- May be used up to the day of harvest

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

**General Information** Garden Sentinel Biofungicide Ready-to-Use is a broad-spectrum preventative biofungicide/bactericide for control or suppression of fungal and bacterial plant diseases.

**Application Directions** Shake well before using. Spray leaves, stems, roots (soil), and new shoots to runoff, providing complete coverage of the entire plant. For best results, treat plants before disease development or at the first visible signs of infection. Repeat at weekly intervals or as needed. Spray interval may be shortened under conditions favorable to rapid disease development, such as high humidity, excessive rain, or other conditions of extreme moisture. Allow spray to dry at least 4 hours before watering if foliage will also be watered.

Garden Sentinel Biofungicide Ready-to-Use may be used on the following plants: Vegetables, fruits, nuts, ornamental trees, shrubs, flowering plants, houseplants, and tropical plants grown in and around homes, home gardens, or home greenhouses.

**WARRANTY** Gardens Alive, Inc. warrants that the material contained herein conforms to the description on the label and is reasonably fit for the purpose referred to in the directions for use. Timing and method of application, weather, watering practices, nature of soil, the disease problem, condition of the plant, incompatibility with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the seller. To the extent consistent with applicable law, buyer assumes all risks of use, storage, or handling of this material not in strict accordance with directions given herein. NO OTHER EXPRESS OR IMPLIED WARRANTY OF THE FITNESS OR MERCHANTABILITY IS MADE.

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FIRST AID	
IF ON SKIN	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.
IF IN EYES	Hold eyes 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 further treatment advice.
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.
Have the product container or label with you when calling a poison control center, doctor, or going for treatment. For non-emergency information from 8 am to 6 pm ET, Monday through Friday, contact customer service at 513-354-1483.	

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#### Precautionary Statements

**Hazards to Humans and Domestic Animals**

**CAUTION:** Harmful if absorbed through skin. Harmful if inhaled. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**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.

**STORAGE AND DISPOSAL**  
Do not contaminate water, food, or feed by storage or disposal. Store this product in its original container only, in an area inaccessible to children. Keep the container closed when not in use.

**PESTICIDE DISPOSAL AND CONTAINER HANDLING:** Non-refillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling, if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.



# Garden Sentinel<sup>TM</sup> Biofungicide

**Provides fungal and bacterial plant protection**

KEEP OUT OF REACH OF CHILDREN

**CAUTION**

See back panels for additional precautionary statements.

NET CONTENTS: 16 FL. Oz.

64412

EPA Reg. No. 70051-107-56872, EPA Est. No. 50591-GA-01

FIRST AID	
IF ON SKIN	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
IF IN EYES	<ul style="list-style-type: none"><li>• Hold eyes 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 further treatment 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 mouth-to-mouth if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
Have the product container or label with you when calling a poison control center or doctor.	

#### Precautionary Statements

**Hazards to Humans and Domestic Animals:**

**CAUTION:** Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with eyes or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**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.

**STORAGE AND DISPOSAL**  
Do not contaminate water, food, or feed by storage or disposal. Store this product in its original container tightly sealed when not in use.

**PESTICIDE DISPOSAL AND CONTAINER HANDLING:** Non-refillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling, if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**WARRANTY**  
Gardens Alive<sup>®</sup>, Inc. warrants that the material contained herein conforms to the description on the label and is reasonably fit for the purpose referred to in the directions for use. Timing and method of application, weather, watering practices, nature of soil, the disease problem, condition of the plant, incompatibility with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the seller. To the extent consistent with applicable law, buyer assumes all risks of use, storage, or handling of this material not in strict accordance with directions given herein. NO OTHER EXPRESS OR IMPLIED WARRANTY OF THE FITNESS OR MERCHANTABILITY IS MADE.

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# Garden Sentinel<sup>TM</sup> Biofungicide

Aqueous Suspension Biofungicide/Bactericide for control of plant diseases in and around homes and home gardens: indoor houseplants, tropical plants, vegetables, ornamental and fruit trees, shrubs, lawns, flowers, bedding plants, and indoor and/or outdoor potted ornamental plants



**FOR ORGANIC GARDENING**

- Colonizes roots
- Top to bottom disease control when used for both foliar and soil treatment
- Triggers plant immune response
- Provides fungal and bacterial plant protection
- For indoor/outdoor use
- May be used up to the day of harvest
- Controls listed blights, molds, rots, spots and mildews on vegetables, fruits, nuts, ornamental trees, shrubs, flowers, houseplants and tropical plants grown in and around the home.

FIRST AID	
IF ON SKIN	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
IF IN EYES	<ul style="list-style-type: none"><li>• Hold eyes 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 further treatment 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 mouth-to-mouth if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
Have the product container or label with you when calling a poison control center or doctor.	

**Application rates and methods:**  
Spray application for control of powdery mildews, leaf spots, anthracnose, gray mold, and other diseases affecting leaves, flowers, fruit, and other above-ground plant parts of indoor and/or outdoor potted plants and/or home garden plants, or vegetables, ornamental and/or fruit and/or nut trees, tropical plants, shrubs, flowers, and bedding plants: Mix 1 teaspoon of Garden Sentinel Biofungicide per gallon of water and apply directly to plants using a hand pump sprayer or other suitable spray equipment. Spray just enough to wet all leaves and fruit with minimal run-off or dripping. Total coverage depends on the size of plants to be sprayed and the type of sprayer used. Repeat as needed to maintain disease control, typically every 7-10 days. If disease is prevalent or environmental conditions such as high humidity favor disease outbreak, increase the mixing rate to 1 tablespoon per gallon and shorten the interval between sprays to every 3-7 days.

**Drench application for control of diseases affecting plant roots, tubers, or other parts of plants in contact with soil in the home and home garden:** Mix 1 teaspoon of Garden Sentinel Biofungicide per gallon of water and apply to the soil by one of the following methods:

**For potted plants (indoors or outdoors):**

- Apply in sufficient water to wet the entire root mass using a watering can or tank-fed watering wand. Do not water plants again until 24 hours after application. Alternatively, use a hand pump or other sprayer to spray the mixture on the soil surface in each pot, then immediately apply sufficient water to move the product into the roots.

- Drench the roots of transplants with approx. 4 fluid ounces of the mixture immediately before transplanting into pots or garden soil. Allow to soak into the root ball before transplanting.

**For outdoor-grown plants:**

- Use a watering can or sprayer to drench the soil in the planting furrow or transplant hole immediately before planting or transplanting. The amount of water required will depend on the size of the hole or length of furrow.
- Alternatively, apply in the first watering after planting or transplanting, either by mixing directly into the water at the rate indicated above, or by spraying onto the soil surface at the base of each plant and immediately watering in with a watering can, hose, sprinkler, or other watering device.

Garden Sentinel Biofungicide can be applied up to and including the day of harvest.

For application to lawns and other grass areas: Mix 1 teaspoon of Garden Sentinel Biofungicide per gallon of water and apply as a fine spray to the surface of the lawn or grass area. Total amount of mix required will depend on the type of sprayer used and area to be covered, but typically 2 to 5 gallons of spray mix may be required per 1,000 square feet of lawn. Garden Sentinel Biofungicide can be "watered in" for control of soilborne root and crown diseases by thorough watering immediately after application either with sprinklers or by spraying just before or during light rain.

**DISEASES CONTROLLED BY GARDEN SENTINEL BIOFUNGICIDE:**

- Anthracnose (*Colletotrichum* species)
- Bacterial leaf blights, spots, and specks (*Erwinia*, *Pseudomonas*, and *Xanthomonas* species)
- Black mold, brown spot, black crown rot (*Alternaria* species)
- Black spot of roses (*Diplocarpon rosae*)
- Gray mold, Botrytis blight, fruit rot (*Botrytis* species)
- Leaf spots (*Alternaria*, *Cercospora*, *Entomosprium*, *Helminthosporium*, *Myrothecium*, and *Septoria* species)
- Powdery mildews (*Podosphaera*, *Erysiphe*, *Golovinomyces*, *Sphaerotheca* and *Oidium* species; *Uncinula necator*, *Oidiopsis taurica*, *Leveillula taurica*)

**DISEASES SUPPRESSED BY GARDEN SENTINEL BIOFUNGICIDE:**

- Downy mildew (*Bremia lactucae*, *Peronospora* and *Plasmopara* species)
- Early blight (*Alternaria solani*)
- Late blight (*Phytophthora infestans*)
- Fire blight (*Erwinia amylovora*)
- Pin rot (*Alternaria/Xanthomonas* complex)
- Scab (*Venturia* species)

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