



Plant Guardian™ Biofungicide Liquid Concentrate

- Fungicide that attacks harmful garden and lawn diseases
- Use on Roses, Vegetables, Fruits, Flowering Plants, Trees, Shrubs and Lawns
- Controls Powdery Mildew, Rust, Grey Mold, and other listed diseases

ACTIVE INGREDIENT:

QST 713 strain of <i>Bacillus subtilis</i> *	1.34%
OTHER INGREDIENTS	98.66%
TOTAL	100.00%

*Contains a minimum of 1×10^8 CFU/g

KEEP OUT OF REACH OF CHILDREN CAUTION

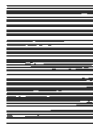
For MEDICAL And TRANSPORTATION Emergencies ONLY
Call 24 Hours A Day 1-800-334-7577
For PRODUCT USE Information Call
1-877-229-3724

For FIRST AID STATEMENT, ADDITIONAL PRECAUTIONARY STATEMENTS and DIRECTIONS FOR USE: See Attached Booklet.

EPA Reg. No.: 264-1152-56872
EPA Est. No.: 56872-IN-1

Net Contents: 8 fl. oz.
#2821

Manufactured for:
Gardens Alive!®, Inc.
5100 Schenley Place
Lawrenceburg, IN 47025
513-354-1483
www.GardensAlive.com



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS CAUTION

Harmful if inhaled. Avoid breathing spray mist. Remove and wash contaminated clothing before reuse.

FIRST AID	
IF INHALED:	<ul style="list-style-type: none"> • 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 or doctor or going for treatment.	

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 and disposal.

PESTICIDE STORAGE: Store in original container only, in an area inaccessible to children. Keep container closed when not in use. Store at room temperature.

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 partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

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DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Not for isolation or reformulation. Do not culture.

BASIC USE INFORMATION

Plant Guardian™ Biofungicide Liquid Concentrate is a broad spectrum, preventative biofungicide recommended for the control or suppression of many important plant diseases. Plant Guardian™ Biofungicide Liquid Concentrate may be used on roses, vegetables, fruits, nuts, flowers, houseplants, foliage, trees, shrubs, lawns, turf, sod, and ornamental turf located in residential landscapes.

Plant Guardian™ Biofungicide Liquid Concentrate may be applied any time of day, in full sun and high temperatures, without stressing or burning foliage.

Plant Guardian™ Biofungicide Liquid Concentrate can be applied up to and on the day of harvest.

IMPORTANT: READ CONDITIONS FOR SALE AND WARRANTY BEFORE USE

WHEN TO USE

- For best results, treat prior to foliar disease development or at the first sign of foliar disease infection.
- Repeat at 7-day intervals or as needed.
- Under conditions of high disease pressure, when environmental conditions favor rapid disease development (high humidity, excessive rain, extreme moisture conditions, etc.), shorten the spray interval.

BEFORE YOU USE

Read and follow these directions when using:

- Do not allow spray to drift from application site.
- For Pressurized Hand-Held Sprayer and Spray Trigger Bottle Use Only - Do not allow spray mixture to stand overnight or for prolonged periods.

Pressurized Hand-Held Sprayer and Spray Trigger Bottle

Plant Guardian™ Biofungicide Liquid Concentrate can be applied in commonly used pressurized hand-held sprayers and spray trigger bottles.

MIXING AND APPLICATION INSTRUCTIONS

- Shake Well Before Use
- Fill sprayer or bottle with appropriate amounts of concentrate and water (use water only).
- Mix the spray solution thoroughly.
- Keep spray solution agitated during application.

HOW MUCH TO USE

For Fruits, Vegetables, Nuts (e.g. Apples/Pears, Broccoli, Carrot, Cherries, Cucurbits, Grapes, Leafy Vegetables, Onions/Garlic, Pepper, Tomato, and Walnuts):

- 2 fl oz (¼ cup = 4 TBSP) to 4 fl oz (½ cup = 8 TBSP) of Plant Guardian™ Biofungicide Liquid Concentrate per gallon of water.
- Spray plants to run-off, covering both top and bottom surface of foliage to ensure thorough coverage.

For Annual and Perennial Ornamental Plants, Flowers, Flowering Plants, Tropical Foliage, Foliage, Trees and Shrubs:

- 2 fl oz (¼ cup = 4 TBSP) to 4 fl oz (½ cup = 8 TBSP) of Plant Guardian™ Biofungicide Liquid Concentrate per gallon of water.
- Spray plants to run-off, covering both top and bottom surface of foliage to ensure thorough coverage.

For Lawns, Turf, Sod and Ornamental Turf:

- 1 fl oz (1/8 cup = 2 TBSP) to 4 fl oz (½ cup = 8 TBSP) of Plant Guardian™ Biofungicide Liquid Concentrate per gallon of water.
- Apply at a rate of 2 gallons of spray solution per 1,000 square feet of lawn or turf, sod and ornamental turf (Equivalent to 2 to 8 fl oz of Plant Guardian Biofungicide Liquid Concentrate per 1000 square feet of lawn).

Hose-End Sprayer

APPLICATION INSTRUCTIONS

- Shake Well Before Use
- Follow hose-end sprayer directions to determine how to fill, set dial, clean and disconnect from hose.
- Set dial on sprayer to deliver rates of this product per gallon of water as directed below.

HOW MUCH TO USE

- No mixing or measuring is needed, Dilutes automatically as you spray. Spray plants to run-off.

For Fruits, Vegetables, Nuts (e.g. Apples/Pears, Broccoli, Carrot, Cherries, Cucurbits, Grapes, Leafy Vegetables, Onions/Garlic, Pepper, Tomato, and Walnuts):

- Set sprayer to apply 2 fl oz (1/4 cup = 4 TBSP) to 4 fl oz (1/2 cup = 8 TBSP) of Plant Guardian™ Biofungicide Liquid Concentrate per gallon of water.
- Spray plants to run-off, covering both top and bottom surface of foliage to ensure thorough coverage.

For Annual and Perennial Ornamental Plants, Flowers, Flowering Plants, Tropical Foliage, Foliage, Trees and Shrubs:

- Set sprayer to apply 2 fl oz (1/4 cup = 4 TBSP) to 4 fl oz (1/2 cup = 8 TBSP) of Plant Guardian™ Biofungicide Liquid Concentrate per gallon of water.
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For Lawns, Turf, Sod and Ornamental Turf:

- Set sprayer to apply 1 fl oz (1/8 cup = 2 TBSP) to 4 fl oz (1/2 cup = 8 TBSP) of Plant Guardian™ Biofungicide Liquid Concentrate per gallon of water.
- Apply at a rate of 2 gallons of spray solution per 1,000 square feet of lawn or turf, sod and ornamental turf (Equivalent to 2 to 8 fl oz of Plant Guardian Biofungicide Liquid Concentrate per 1000 square feet of lawn).

DISEASES CONTROLLED OR SUPPRESSED BY PLANT GUARDIAN™ BIOFUNGICIDE LIQUID CONCENTRATE ON VEGETABLES, FRUITS, NUTS and ORNAMENTAL PLANTS, TREES, SHRUBS, FOLIAGE, FLOWERS, FLOWERING PLANTS, TROPICAL PLANTS

Anthraxnose (*Colletotrichum* spp.)

Bacteria (*Erwinia* spp., *Pseudomonas* spp., *Xanthomonas* spp.)

Bacterial Leaf Blight (*Xanthomonas campestris*)

Bacterial Speck (*Pseudomonas syringae* pv. *Tomato*)

Bacterial Spot (*Xanthomonas* spp.) - Suppression

Bean Rust (*Uromyces appendiculatus*) - Suppression

Black Mold (*Alternaria alternata*)
 Black Rot/Black Crown Rot (*Alternaria* spp.)
 Black Spot of Rose (*Diplocarpon rosea*)
 Botrytis (*Botrytis* spp.)
 Botrytis Leaf Blight (*Botrytis squamosa*)
 Botrytis Neck Rot (*Botrytis* spp.)
 Downy Mildew (*Bremia lactucae*, *Peronospora* spp., and *Plasmopara viticola*) - suppression
 Early Blight (*Alternaria solani*) - suppression
 Fire Blight (*Erwinia amylovora*) - suppression
 Gray Mold (*Botrytis cinerea*)
 Greasy Spot (*Mycosphaella ctri*) - suppression
 Late Blight (*Phytophthora infestans*) - suppression
 Leaf Spots— (*Alternaria* spp., *Cercospora* spp., *Entomosporium* spp., *Helminthosporium* spp., *Myrothecium* spp., *Septoria* spp.)
 Onion Downy Mildew (*Peronospora destructor*)
 Onion Purple Blotch (*Alternaria porri*)
Phytophthora spp.
 Pin Rot (*Alternaria/Xanthomonas* complex) -suppression
 Powdery Mildew (*Uncinula necator*, *Erysiphe* spp., *Sphaerotheca* spp., *Oidiopsis taurica*, *Leveillula taurica*, *Podosphaera leucotricha*, *Oidium* spp., *Podosphaera* spp.)
 Rust (*Puccinia* spp.)
 Scab (*Venturia* spp.) – suppression
 Sclerotinia Head and Leaf Drop (*Sclerotinia* spp.)
 Sour Rot
 Target Spot (*Corynespora cassicola*)
 Walnut Blight (*Xanthomonas campestris*)
 White Mold (*Sclerotinia sclerotiorum*)-suppression

LAWNS, TURF, SOD AND ORNAMENTAL TURF:
 Bluegrass, Bentgrass, Bermudagrass, Dichondra, Fescue, Orchardgrass, Annual Bluegrass (*Poa annua*), St. Augustine, Ryegrass, Zoysia, Mixtures and other grasses or ornamental turf.

DISEASES CONTROLLED OR SUPPRESSED BY PLANT GUARDIAN™ BIOFUNGICIDE LIQUID CONCENTRATE ON LAWNS, TURF, SOD AND ORNAMENTAL TURF

Brown Patch (*Rhizoctonia solani*)
 Dollar Spot (*Lanzia* spp., *Moellerodiscus* spp. formerly *Sclerotinia homeocarpa*)
 Powdery Mildew (*Erysiphe graminis*)
 Rust (*Puccinia* spp.)
 Anthracnose (*Colletotrichum graminicola*)
 Red Thread (*Laetisaria fuciformis*)
 Fairy Ring (Various *Basidiomycetes*)
 Grey Snow Mold, Typhula Blight (*Typhula* spp.)
 Pink Snow Mold, Fusarium Patch (*Microdochium nivale*)
 Pythium Blight (*Pythium aphanidermatum*) (*Pythium* spp.)

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IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, plant injury, other property damage, as well as other unintended consequences may result because of factors beyond the control of Gardens Alive, Inc. Those factors include, but are not limited to, weather conditions, presence of other materials or the manner of use or application. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, GARDENS ALIVE, INC. MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Gardens Alive, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, GARDENS ALIVE, INC. DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT GARDENS ALIVE, INC. ELECTION, THE REPLACEMENT OF PRODUCT.



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