



Disease Control Concentrate



 Can be Used for Organic Gardening

Fungicide that attacks harmful garden diseases  
For Use on Roses, Vegetables, Fruits, Flowering Plants, Trees, Shrubs  
Controls Black Spot, Powdery Mildew, Rust, Gray Mold, Late Blight, Scab

US0001-B-002

AQ1374-002

**ACTIVE INGREDIENT:**

QST 713 strain of *Bacillus subtilis*\*..... 1.34%

**OTHER INGREDIENTS**..... 98.66%

**TOTAL**..... 100.00%

\*Contains a minimum of  $1 \times 10^9$  cfu/g

KEEP OUT OF REACH OF CHILDREN  
**CAUTION**

EPA Registration No. 69592-12  
EPA Est. No.: 69592-MEX-1

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U.S. Patent Nos. 6,060,051, 6,103,228, 6,291,426, and 6,417,163 on QST 713 strain of *Bacillus subtilis*

Net Contents: 32 fl oz

# PRECAUTIONARY STATEMENTS

## HAZARDS TO HUMANS & DOMESTIC ANIMALS

### CAUTION

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

FIRST AID	
<b>IF INHALED:</b>	<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 or going for treatment.	

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

As a general precaution, when exposed to high concentrations of a living microbial product such as this, wear a dust particle mask when mixing or applying this product. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.

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

### USER SAFETY RECOMMENDATIONS

**Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE 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

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

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. 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 State or Tribal agency responsible for pesticide regulation.

### GENERAL USE INFORMATION

Serenade Garden Disease Control Concentrate is a broad spectrum, preventative biofungicide recommended for the control or suppression of many important plant diseases. Serenade Garden Disease Control Concentrate may be used on roses, vegetables, fruits, nuts, flowers, houseplants, foliage, trees, shrubs located in residential landscapes.

Serenade Garden Disease Control Concentrate may be applied any time of day, in full sun and high temperatures, without stressing or burning foliage.  
Serenade Garden Disease Control Concentrate can be applied up to and including the day of harvest.  
Serenade Garden Disease Control Concentrate can be used on the day of harvest and on all fruits and vegetables used in canning.

**READ THE LABEL FIRST!**

#### **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.
- When environmental conditions favor rapid disease development (high humidity, excessive rain, extreme moisture condition, etc.), spray more often.

#### **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.

**Serenade Garden Disease Control Concentrate can be applied in commonly used pressurized hand-held sprayers and spray trigger bottles.**

#### **HOW TO USE**

- 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:**

- 2 fl oz ( $\frac{1}{4}$  cup = 4 TBSP) to 4 fl oz ( $\frac{1}{2}$  cup = 8 TBSP) of Serenade Garden Disease Control 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 ( $\frac{1}{4}$  cup = 4 TBSP) to 4 fl oz ( $\frac{1}{2}$  cup = 8 TBSP) of Serenade Garden Disease Control Concentrate per gallon of water.
- Spray plants to run-off, covering both top and bottom surface of foliage to ensure thorough coverage.

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## Hose-End Sprayer

### HOW TO USE

- 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 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:

- Set sprayer to apply 2 fl oz (¼ cup = 4 TBSP) to 4 fl oz (½ cup = 8 TBSP) of Serenade Garden Disease Control 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 (¼ cup = 4 TBSP) to 4 fl oz (½ cup = 8 TBSP) of Serenade Garden Disease Control Concentrate per gallon of water.
- Spray plants to run-off, covering both top and bottom surface of foliage to ensure thorough coverage.

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## WHERE TO USE: VEGETABLES, FRUITS, NUTS, FLOWERS, FOLIAGE, TREES, AND SHRUBS

### ORNAMENTALS, TREES, FOLIAGE, SHRUBS, FLOWERS, FLOWERING PLANTS, TROPICAL PLANTS:

Some pesticides can cause phytotoxic effects ranging from slight burning or browning of leaves to distorted leaves, fruit, flowers or stems. Damage symptoms may vary with the type of plant that has been treated. It is impossible to test all plants for phytotoxicity. To assure that the plants to be treated are not sensitive to the treatment, apply a small amount of the highest application rate of the product to a few leaves or the above ground portion of a plant and check within 3 days for signs of phytotoxicity. Use product according to label directions.

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## DISEASES CONTROLLED OR SUPPRESSED ON VEGETABLES, FRUITS, NUTS, ORNAMENTAL PLANTS, TREES, SHRUBS, FOLIAGE, FLOWERS, FLOWERING PLANTS, AND TROPICAL PLANTS

Anthracnose (*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 (*Mycosphaerella citri*) - 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 cassiicola*)  
Walnut Blight (*Xanthomonas campestris*)  
White Mold (*Sclerotinia sclerotiorum*) – suppression

#### 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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#### CONDITIONS FOR SALE AND WARRANTY

Except to the extent prohibited by applicable law, AgraQuest offers this product with the following conditions: 1) buyers and users of this product assume the risk of any storage, handling or use contrary to AgraQuest's label and directions and 2) AgraQuest's liability shall in no case exceed the purchase price of the applicable AgraQuest product.

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