



LICENSED

PERIOD 2014-2016 LIC. NO.

8277.14



Department of Agriculture  
STATE OF HAWAII

LICENSED

PERIOD 2011-2013 LIC. NO.

For  
**ORGANIC**  
GARDENING



# Disease Control Ready to Spray

For use on Roses, Vegetables, Fruits, Flowering Plants, Trees, Shrubs and Lawns

*Biofungicide that attacks harmful garden and lawn diseases*



**Controls Powdery Mildew, Rust, Gray Mold and other listed diseases**

ACTIVE INGREDIENT:	
OST 713 strain of <i>Bacillus subtilis</i> *.....	1.34%
OTHER INGREDIENTS.....	98.66%
TOTAL .....	100.00%

\*Contains a minimum of 1x10<sup>9</sup> cfu/g

KEEP OUT OF REACH OF CHILDREN  
**CAUTION**

See attached booklet for First Aid, Precautionary Statements, Storage and Disposal Instructions and Directions for Use.

LUS0134-001



Net Contents: 28 fl oz (946 mL) AQ1378-001

PF-25609-1

## 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>
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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.

### DIRECTIONS FOR USE

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

### BASIC USE INFORMATION

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

Serenade Garden Disease Control Ready to Spray may be applied any time of day, in full sun and high temperatures, without stressing or burning foliage.

Serenade Garden Disease Control Ready to Spray can be used on the day of harvest and on all fruits and vegetables used in canning.

### 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 BEST RESULTS

- Shake Well Before Use.
- Spray to ensure thorough coverage.

**Hose-End Sprayer on Ready to Spray Bottle**

### HOW MUCH TO USE

- No mixing or measuring is needed. Dilutes automatically as you spray.

### HOW TO USE

**For Lawns, Turf, Sod and Ornamental Turf:**

1. Shake container well before using.
2. Make sure the nozzle is in the "OFF" position with the safety tab in the valve notch.
3. Securely attach a garden hose to the hose-end spray nozzle, tightening nozzle.
4. Calculate the square feet of the area to be treated by multiplying length by width. 5 fl oz of Serenade Garden Disease Control Ready to Spray - will treat 1000 square feet of Lawn, Sod, Turf and Ornamental Turf.
5. Turn on water at faucet. Extend hose to the farthest area to be treated and work backward toward the faucet.
6. To begin spraying, point nozzle at the Lawn, Sod, Turf and Ornamental Turf to be treated and bend the safety tab back while turning the dial clockwise. The water will automatically start mixing and spraying. Walk backwards at a steady pace sweeping the spray in an overlapping motion to cover the area to be treated. Refer to the sight gauge on the side of the bottle to guide coverage (example: When 1 fl oz of this product has been used, you should have covered 200 square feet of Lawn, Sod, Turf or Ornamental Turf).
7. To turn the sprayer off, turn the dial in the opposite direction (counter-clockwise) until the water stops flowing and the safety tab engages. Turn the water off at the faucet. To relieve pressure before detaching sprayer, bend the safety tab back and turn the dial on (clockwise) until the water stops spraying. Then, turn the dial back to the off position until the safety tab engages.
8. Detach the hose-end sprayer from the hose and store unused product in a cool, dark place until its next use.

### HOW MUCH TO USE

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

### HOW TO USE

**For Fruits, Vegetables, Nuts, Annual and Perennial Ornamental Plants, Flowers, Flowering Plants, Tropical Foliage, Foliage, Trees and Shrubs:**

1. Shake container well before using.
2. Make sure the nozzle is in the "OFF" position with the safety tab in the valve notch.
3. Securely attach a garden hose to the hose-end spray nozzle, tightening nozzle.
4. Turn on water at faucet
5. To begin spraying, point nozzle at the area to be treated and bend the safety tab back while turning the dial clockwise. The water will automatically start mixing and spraying.
6. Spray plants to run-off, thoroughly covering both top and bottom surface of foliage to ensure thorough coverage, sweeping the spray in an overlapping motion to cover the area to be treated.
7. To turn the sprayer off, turn the dial in the opposite direction (counter-clockwise) until the water stops flowing and the safety tab engages. Turn the water off at the faucet. To relieve pressure before detaching sprayer, bend the safety tab back and turn the dial on (clockwise) until the water stops spraying. Then, turn the dial back to the off position until the safety tab engages.
8. Detach the hose-end sprayer from the hose and store unused product in a cool, dark place until its next use.

**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.

**DISEASES CONTROLLED OR SUPPRESSED BY SERENADE  
GARDEN DISEASE CONTROL READY TO SPRAY ON  
VEGETABLES, FRUITS, NUTS, ORNAMENTAL PLANTS,  
TREES, SHRUBS, FOLIAGE, FLOWERS, FLOWERING  
PLANTS, TROPICAL PLANTS**

Anthraco-nose (*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

**WHERE TO USE**

**LAWNS, SOD, TURF 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 BY SERENADE GARDEN DISEASE  
CONTROL READY TO SPRAY ON LAWNS, SOD, TURF AND  
ORNAMENTAL TURF**

**Lawn, Sod, and Turf Diseases:**

Brown Patch (*Rhizoctonia solani*)

Dollar Spot (*Lanzia* spp., *Moellerodiscus* spp., formerly *Sclerotinia homeocarpa*)

Powdery Mildew (*Erysiphe graminis*)

Rust (*Puccinia* spp.)

Anthraco-nose (*Colletotrichum graminicola*)

Red Thread (*Laetisaria fuciformis*) \* **NOT FOR USE IN CALIFORNIA**

**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.

**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.

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



**Serenade®**  
—garden—

Disease Control Ready to Spray

Controls Powdery Mildew, Rust, Gray Mold and other listed diseases

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

EPA Registration No. 69592-12

EPA Est. No.: 69592-MEX-1

**AGRAQUEST®**  
better food. better world.™

Can Be Used for Organic Production

AgraQuest, Inc.  
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Questions or Comments call 800-962-8980

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Made in Mexico  
LUS0133-001 AQ1378-001



Job-55098

BACK PANEL affixed to container



**Disease Control Ready to Spray**  
Controls Powdery Mildew, Rust, Gray Mold and other listed diseases

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**CAUTION**

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 Can be Used for Organic Production

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↑  
Peel back tab for First Aid, Precautionary Statements  
Storage and Disposal Instructions and Directions for Use.

PF-55098