

# REVITALIZE<sup>®</sup>

## Biofungicide

TRUSTED SINCE 1926

**BONIDE<sup>®</sup>**

Triggers plant immune response

Concentrate   
makes 24 gallons

Controls listed blights, molds, rots,  
spots and mildews

Colonizes roots



**ACTIVE INGREDIENT:**

Bacillus amyloliquefaciens strain D747\* ... 98.85%

**OTHER INGREDIENTS:** ..... 1.15%

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

\*Contains a minimum of  $1 \times 10^{10}$  colony-forming  
units (cfu) per milliliter

EPA Est. No. 4-NY-1 EPA Reg. No. 70051-107-4

**Keep Out Of Reach Of Children**

**CAUTION** (See back booklet for additional  
Precautionary Statements and First Aid)



**Fruit Rot**

**Fire Blight**

**Foliar spray or  
soil drench**



**FOR ORGANIC  
GARDENING**

# REVITALIZE®

## Biofungicide Concentrate

- ✓ 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
- ✓ Top to bottom disease control (when used for both foliar and soil treatment)
- ✓ For Indoor/Outdoor Use
- ✓ May be used up to the day of harvest
- ✓ Provides fungal and bacterial plant protection with as little as 1 tsp/gal (when used for lawns and other grass areas)

Store and transport in an upright position.

EPA Reg. No. 70051-107-4 EPA Est. No. 4-NY-1

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To the extent consistent with applicable law buyers guarantee limited to label claims.

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Distributed by:  
Bonide Products LLC  
6301 Sutliff Road  
Oriskany, NY 13424

## GENERAL INFORMATION

This product is a broad-spectrum preventative biofungicide/bactericide for control or suppression of fungal and bacterial plant diseases. The active ingredient of this product is a naturally occurring strain (D747) of the beneficial bacterium *Bacillus amyloliquefaciens*. This product also colonizes plant root hairs, preventing establishment of disease-causing fungi and bacteria.

## DIRECTIONS FOR USE

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

## MIXING INSTRUCTIONS

This product must be mixed with water and applied as a spray to fruit, flower and/or foliage, or as a drench to plant roots. See below for specific mix rate information.

## APPLICATION INSTRUCTIONS

Shake well before using. Spray leaves, stems, and new shoots to runoff, providing complete coverage of the entire plant. For best results, treat new 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.

This product may be used on the following plants:

**Vegetables, fruits, nuts, ornamental trees, shrubs, flowering plants, houseplants, and tropical plants grown in and around home gardens or home greenhouses.**

**Diseases controlled by this product:**

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 species*) Gray mold, botrytis blight, fruit rot (*Botrytis species*) Leaf spots (*Alternaria*, *Cercospora*, *Entomosporium*, *Helminthosporium*, *Myrothecium*, and *Septoria species*) Powdery mildews (*Podospaera*, *Erysiphe*, *Golovinomyces*, *Sphaerotheca* and *Oidium species*; *Uncinula necator*, *Oidiopsis taurica*, *Leveillula taurica*).

**Diseases suppressed by this product:**

Downy Mildew (*Bremia lactucae*, *Pernospora* and *Plasmospora species*) Early blight (*Alternaria solani*) Late blight (*Phytophthora infestans*) Fire blight (*Erwinia amylovora*) Pin rot (*Alternaria/Xanthomonas complex*) Scab (*Venturia species*)

**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 outdoor potted plants and/or home garden plants, vegetable, ornamental, fruit, nut tree, tropical plants, shrubs, flowers and bedding plants: Mix 1 teaspoon of this product per gallon of water and apply directly to plants using a hand pump sprayer or other

## APPLICATION RATES AND METHODS CONT.

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 this product per gallon of water and apply to the soil by one of the following methods:

### For potted plants (indoor 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

## APPLICATION RATES AND METHODS CONT.

- 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.

This product can be applied up to and including the day of harvest.

*For application to lawns and other grass areas:* Mix 1 teaspoon of this product 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. This product 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.

## **STORAGE AND DISPOSAL**

### **PESTICIDE STORAGE:**

Keep in original container. Store away from direct sunlight, feed, or foodstuffs.

Keep container tightly sealed when not in use.

### **PESTICIDE DISPOSAL AND CONTAINER HANDLING**

Non-refillable container. Do not reuse or refill 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.

## FIRST AID

### IF ON SKIN:

- Take off contaminated clothing. Rinse skin with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for 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 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 or doctor. Hot Line Number: 1-800-858-7378 for additional information



**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.

**WARRANTY**

Bonide Products, LLC warrants that the material contained herein conforms to the description on the label and is reasonably fit for the purposes referred to in the directions for use. Timing and method of application, weather, watering practices, nature of soil, the disease problem, condition of the crop, 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.**