

Magic Gardener™

BIOLOGICAL DISEASE CONTROL

Magic Gardener™ Biological Disease Control is a broad-spectrum biological fungicide/bactericide for the control or suppression of diseases caused by plant pathogenic microbes for residential home and garden use.

ACTIVE INGREDIENT: *Bacillus amyloliquetaciens* strain PTA-4838* 74.81%
OTHER INGREDIENTS: 25.19%
TOTAL: 100.00%
 *Contains a minimum of 1.65 x 10¹⁰ colony forming units per gram [CFU/g] of product

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
If in Eyes	<ul style="list-style-type: none"> Hold eye 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	<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 by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.
If on Skin or Clothing	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-315-9819 (24 hours) for emergency medical treatment and/or transport emergency information. For all other information, call 1-800-323-9597.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Causes moderate eye irritation. Harmful if inhaled. Avoid contact with eyes or clothing. Avoid breathing dust or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

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. For residential use only.

PRODUCT INFORMATION

Magic Gardener™ Biological Disease Control (hereafter referred to as Magic Gardener) contains the active ingredient bacterium *Bacillus amyloliquetaciens* strain PTA-4838. When applied according to the label directions, Magic Gardener controls or suppresses a broad range of fungal and bacterial pathogens to provide protection from harmful plant diseases.

GENERAL USE INFORMATION

Mix 2 tablespoons of Magic Gardener in 1 gallon of water and mix well to create solution. For more severe disease pressure or likelihood of disease pressure, use a higher rate of 4 tablespoons per gallon of water. Spray leaves, stems, and new shoots thoroughly to runoff, providing complete coverage of entire plant. (For turfgrass, use a rate of 0.55-1.1 oz. per 1,000 sq. ft.)

For best results, apply product prior to disease development or at the first sign of infection. Repeat at 7-day intervals as needed to protect new foliage. Under conditions of heavy rainfall shortly after application, it may be necessary to reapply the product. Do not water foliage within 4 hours of application. To apply Magic Gardener, always mix with water at the rate above and use a pump bottle, handheld pump, backpack, or similar type of spray equipment.

For best results, use a compatible spreader/sticker (consult with your local garden center for specific recommendations).

Days to Harvest: Magic Gardener can be applied up to and including the day of harvest.

CROP APPLICATION DIRECTIONS

Applications for Plants Grown in Residential/Home Garden Settings such as Ornamentals, Fruits, Vegetables, Herbs, Hemp, and Turfgrass and other grasses.

Diseases	
Aerial stem rot	<i>Erwinia carotovora/Pectobacterium carotovora*</i>
Alternaria	<i>Alternaria</i> spp.*
Angular Leaf Spot	<i>Pseudomonas syringae*</i>

*Not for use in CA

(continued)

Diseases (continued)	
Anthracnose	<i>Colletotrichum</i> spp.*
Apple Scab	<i>Venturia</i> spp.*
Bacterial Canker	<i>Clavibacter michiganensis*</i>
Bacterial Diseases	<i>Erwinia</i> spp.; <i>Pseudomonas</i> spp.*; <i>Xanthomonas</i> spp.*
Bacterial Fruit Blotch	<i>Acidovorax avenae*</i>
Bitter Rot	<i>Colletotrichum</i> spp.*
Black Rot/Frogeye Leaf Spot	<i>Botryosphaeria obtuse*</i>
Black Sigatoka	<i>Mycosphaerella fijiensis*</i>
Black Spot of Rose	<i>Diplocarpon rosae*</i>
Blossom Blight	<i>Monilinia</i> spp.*
Botryosphaeria Dieback; Macrophoma Rot	<i>Botryosphaeria</i> spp.*; <i>Diplodia</i> spp.*; <i>Lasioidiplodia</i> spp.*; <i>Neofusicoccum</i> spp.*; <i>Dothiorella</i> spp.*; <i>Sphaeropsis</i> spp.*
Botrytis	<i>Botrytis</i> spp.*

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(continued)

Diseases (continued)	
Brooks spot	<i>Mycosphaerella pomi*</i>
Brown Patch	<i>Rhizoctonia solani*</i>
Buckeye Rot	<i>Phytophthora</i> spp.*
Bull's-Eye Rot	<i>Neofabraea</i> spp.*
Cercospora Leaf Spot	<i>Cercospora citrullina*</i>
Cherry Leaf Spot	<i>Blumeriella jaapii*</i>
Common Leaf Spot	<i>Ramularia tulasnei*</i>
Copper Spot	<i>Gloeocercospora sorghi*</i>
Dead Spot	<i>Ophiosphaerella agrostis*</i>
Dollar Spot	<i>Lanzia</i> spp.*; <i>Clariireedia homoeocarpa/Sclerotinia homoeocarpa*</i>
Downy Mildew	<i>Peronospora</i> spp.*; <i>Plasmopara viburni*</i>
Early Blight	<i>Alternaria solani*</i>

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(continued)

Diseases (continued)	
Esca Black Measles	<i>Phaeoacremonium</i> spp.*; <i>Phaeomoniella</i> spp.*
Eutypa	<i>Eutypa lata*</i>
Fire Blight	<i>Erwinia amylovora*</i>
Flyspeck	<i>Schizothyrium pomi*</i>
Fruit Brown Rot	<i>Monilinia fruticola*</i>
Fusarium Patch	<i>Fusarium nivale*</i>
Gray Leaf Spot	<i>Pyricularia grisea*</i>
Gray Mold/Bud Rot	<i>Botrytis</i> spp.*
Gray Snow Mold	<i>Typhula</i> spp.*
Gummy Stem Blight	<i>Didymella bryoniae*</i>
Hull Rot	<i>Rhizopus</i> spp.*; <i>Monilinia</i> spp.*
Jacket Rot/Green Fruit Rot	Disease Complex*
Late Blight	<i>Phytophthora infestans*</i>

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(continued)

A B C D E F G H I J K
 Valent BioSciences
 Prepared by
MOTT GRAPHICS
 LIST NO.
A560700-04-03
 COMMODITY NO.
A50410784/R1
 LABEL EDITOR
C Kelly
 DATE
07.28.23
 VARIABLE INFO AREA
Right Tab Base
 COLOR SEPARATIONS
BLACK

6.375"

6.4375"

6.4375"

6.5"

NOTE: ALL BARCODES ARE FPO (For Position ONLY)

2"

Diseases (continued)	
Leaf Curl	<i>Taphrina deformans</i> *
Leaf Mold	<i>Fulvia fulva/Passalora fulva</i> *
Leaf Rust	<i>Pucciniastrum vacciniae</i> *
Leaf Scorch	<i>Diplocarpum earliana</i> *
Leaf Spot	<i>Alternaria</i> spp.*; <i>Cercospora</i> spp.*; <i>Entomosporium</i> spp.*; <i>Myrothecium</i> spp.*; <i>Septoria</i> spp.*
Melting Out Leaf Spot	<i>Bipolaris</i> spp.*; <i>Drechslera</i> spp.*
Mummy Berry	<i>Monilinia vaccinii-corymbosi</i> *
Necrotic Ring Spot	<i>Leptosphaeria korrae</i> *
Olive Knot	<i>Pseudomonas savastanoi pv. savastanoi</i> *
Onion Purple Blotch	<i>Alternaria porri</i> *
Pecan Scab	<i>Cladosporium carygenum</i> *
Phomopsis	<i>Phomopsis</i> spp.*

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(continued)

PAGE 5

Diseases (continued)	
Pin Rot	<i>Alternaria</i> spp.*
Pink Patch	<i>Limonomyces roseipellis</i> *
Pink Rot	<i>Sclerotinia sclerotiorum</i> *
Pink Snow Mold	<i>Microdochium nivale</i> *
Phytophthora Blight	<i>Phytophthora capsici</i> *
Plectosporium Blight	<i>Plectosporium tabacinum/Plectosphaerella cucumerina</i> *
Powdery Mildew	<i>Erysiphe</i> spp.*; <i>Leveillula taurica</i> *; <i>Microsphaera</i> spp.*; <i>Oidium</i> spp.*; <i>Podosphaera</i> spp.*; <i>Sphaerotheca</i> spp.*
Pythium Blight/Root Rot	<i>Pythium</i> spp.*
Ramularia	<i>Ramularia</i> spp.*
Red Thread	<i>Laetisaria fuciformis</i> *
Rhizoctonia	<i>Rhizoctonia solani</i> *
Rusts*	<i>Puccinia</i> spp. and others*

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(continued)

PAGE 6

Diseases (continued)	
Rusty Spot	<i>Podosphaera leucotricha</i> *
Scab	<i>Venturia</i> spp.*
Sclerotinia	<i>Sclerotinia</i> spp.*
Shot Hole	<i>Wilsonomyces carpophilus</i> *; <i>Xanthomonas pruni</i> *
Sooty Blotch	<i>Sooty Blotch Disease complex</i> *
Sooty Mold	Pathogens belonging to the Order <i>Dothideales</i> *
Sour Rot	Sour rot complex*
Southern Blight	<i>Sclerotium rolfsii</i> *
Spring Dead Spot	<i>Leptosphaeria korrae</i> *; <i>Leptosphaeria narmari</i> *; <i>Ophiosphaerella herpotricha</i> *
Stemphylium Leaf Blight/ Stalk Rot	<i>Stemphylium vesicarium</i> *
Stripe Smut	<i>Ustilago striiformis</i> *; <i>Urocystis agropyri</i> *

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(continued)

25.75"

PAGE 7

Diseases (continued)	
Summer Bunch Rot	<i>Aspergillus</i> spp.*; <i>Alternaria</i> spp.*; <i>Cladosporium</i> spp.*; <i>Penicillium</i> spp.*; <i>Rhizopus</i> spp.*
Summer Patch/Poa Patch	<i>Magnaporthe poae</i> *
Take-all Root Rot	<i>Gaeumannomyces graminis</i> *
Target Spot	<i>Corynespora cassicola</i> *
Walnut Blight	<i>Xanthomonas campestris</i> *
Watery Soft Rot	<i>Sclerotinia</i> spp.*
White Mold	<i>Sclerotinia sclerotiorum</i> *
White Rot	<i>Sclerotium cepivorum</i> *
Xanthomonas Leaf Spot	<i>Xanthomonas campestris</i> *
Yellow Patch	<i>Rhizoctonia cerealis</i> *
Yellow Tuft/Downy Mildew	<i>Sclerophthora macrospora</i> *

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STORAGE AND DISPOSAL
Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Keep container tightly closed when not in use. This product consists of living microbes. Place in a cool, dry place, do not exceed 95°F (35°C). Do not freeze. Tightly close opened package.

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.

NOTICE TO USER
Seller makes no warranty, express or implied, of merchantability, fitness or otherwise concerning the use of this product other than as indicated on this label. To the extent consistent with applicable law, user assumes all risks of use, storage or handling not in accordance with accompanying directions.

Manufactured For:
VALENT BIOSCIENCES
Valent BioSciences LLC
1910 Innovation Way, Suite 100
Libertyville, IL 60048 USA
1-800-323-9597

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BIOLOGICAL DISEASE CONTROL

Magic Gardener™ Biological Disease Control is a broad-spectrum biological fungicide/bactericide for the control or suppression of diseases caused by plant pathogenic microbes for residential home and garden use.

Net Weight: 4 oz
EPA Reg. No.: 73049-522
EPA Est. No.: 33762-IA-01

ACTIVE INGREDIENT: *Bacillus amyloliquefaciens* strain PTA-4838* 74.81%
OTHER INGREDIENTS: 25.19%
TOTAL: 100.00%

*Contains a minimum of 1.65 x 10¹⁰ colony forming units per gram (CFU/g) of product

KEEP OUT OF REACH OF CHILDREN CAUTION

See inside panel for additional precautionary statements and first aid statements.
List No. A560700-04-03 A50410784/R1

FRONT

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LABEL EDITOR
C Kelly

DATE
07.28.23

VARIABLE INFO AREA
Right Tab Base

COLOR SEPARATIONS
CYAN
MAGENTA
YELLOW
BLACK

8"

NOTE: ALL BARCODES ARE FPO
(For Position ONLY)

2"

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OPEN HERE

Lot No.:
Exp. Date:

A B C D E F G H I J K

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LABEL EDITOR
C Kelly

DATE
07.28.23

VARIABLE INFO AREA
Right Tab Base

COLOR SEPARATIONS
CYAN
MAGENTA
YELLOW
BLACK
VARNISH

6.5"

Leaflet Placement

NO VARNISH PLATE SUPPLIED WITH TEMPLATE