

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.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

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

Mixers/loaders and applicators must wear a minimum of a NIOSH-approved particulate filtering face piece respirator with any R or P filter, or a NIOSH-approved elastomeric particulate respirator with any R or P filter, or a NIOSH-approved powered air-purifying respirator with an HE filter. Repeated exposures to high concentrations of microbial proteins can cause allergic sensitization.

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

ENGINEERING CONTROLS

When handlers use closed systems in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.607(d)], the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

USER SAFETY RECOMMENDATIONS

Users should:

- 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

For terrestrial uses: Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high-water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

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.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval of 12 hours.

PPE required for early entry to treated areas (that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water) is:

- Coveralls
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Keep unprotected persons out of the treatment areas until sprays have dried.

PRODUCT INFORMATION

AmyloShield™ Biological Fungicide (hereafter referred to as AmyloShield) contains the active ingredient bacterium *Bacillus amyloliquefaciens* strain PTA-4838. When applied according to the label directions, AmyloShield controls a broad range of fungal and bacterial pathogens to provide protection from harmful diseases.

GENERAL USE INFORMATION

AmyloShield can be applied as a foliar spray, either standalone or in combination with other registered products in a rotation or as tank mixes. For improved performance, use as part of a spray program in rotation with other registered fungicides with unrelated modes of action.

As a microbial product containing live spores of the protective bacterium *Bacillus amyloliquefaciens* strain PTA-4838, AmyloShield will produce the best results when applied preventively (before a disease outbreak occurs).

Incorporation of adjuvants, in particular spreader-stickers, to ensure improved coverage can further enhance disease control. All types of spray equipment commonly utilized for the application of foliar sprays can be used to apply AmyloShield.

Many factors, including disease pressure, the environment (weather) and the condition of the crop can impact the level of control. Adjust spray intervals and use rate accordingly, with higher rates and more frequent applications if high disease pressure is expected. Re-application may be required in case of heavy rain events shortly after a treatment.

PREHARVEST INTERVAL

AmyloShield has a 0-day preharvest interval and can be applied up to and including the day of harvest.

FOLIAR APPLICATION DIRECTIONS

Always read and follow the label instructions regarding application rates and restrictions. For best disease control performance, apply AmyloShield preventively (before or during the initial stages of disease). Apply the higher labeled rates when increased pest pressure is expected based on predicted weather conditions or other factors.

Application equipment must be clean and free of previous pesticide deposits before applying AmyloShield. Determine the required amount of product based on desired application rate and acreage to be treated. Fill tank with water to at least half the final volume. Add product(s) in mix order referenced in "MIXING ORDER FOR TANK MIX PARTNERS BY FORMULATION TYPE" section (see below) to the spray tank and mix if necessary, for complete dissolution. Add remaining water to reach the desired spray volume per acre (10-100 gallons per acre of prepared spray solution). If prepared spray solution is stored for extended periods of time, agitate well before use.

Always use spray volumes high enough to ensure thorough coverage of all treated plant surfaces. Complete coverage is crucial for efficient disease control or suppression.

GREENHOUSE APPLICATION DIRECTIONS

AmyloShield can be used as a foliar spray in the greenhouse. Please refer to the "Foliar Application Directions" above for more information. As crop safety has not been confirmed on all cultivars, plant compatibility testing is recommended when spraying on a cultivar in the greenhouse for the first time.

COMPATIBILITY WITH OTHER AGRICULTURAL PRODUCTS

Do not tank mix AmyloShield with other products unless compatibility has been verified. If considering tank mixing AmyloShield with other products, use the following compatibility jar test before mixing an entire tank: Add water from the same water source to a clear glass or plastic jar. Add the products in correct proportions. Mix thoroughly and let stand for a minimum of 15 minutes. Separation, gelling, or generation of heat are all signs of incompatibility.

Always read and follow all label directions and precautions for each product. When using combinations of products, the most restrictive label limitations and precautions must be followed. Do not mix AmyloShield with any product that has a prohibition against tank mixing. For further information, consult your Valent Agricultural Specialist.

MIXING ORDER FOR TANK MIX PARTNERS BY FORMULATION TYPE

- Carrier (water)
- Wettable granules (dry flowables)
- Wettable powders
- Aqueous solutions
- Emulsifiable concentrates
- Adjuvants

CROP APPLICATION DIRECTIONS

Applications for Plants Grown in Fields, Outdoors, Indoors, Greenhouses, or Nurseries such as Ornamentals, Fruits, Vegetables, Herbs, Hemp, Turfgrass and other grasses.

Crop Types		
Ornamentals such as flowering plants, annual plants and perennial plants, bedding plants, potted and cut flowers, topical foliage		
Woody Forest and Ornamental Trees and Shrubs such as broadleaves and conifers		
Fruits, Vegetables, and Herbs		
Hemp		
	Pests	Application Rate
Aerial Stem Rot	<i>Erwinia carotovora/ Pectobacterium carotovora*</i>	Outdoor Use: 1.5-3.5 lbs. per acre
Alternaria	<i>Alternaria</i> spp.*	Greenhouse Use: Low to medium disease pressure: 0.6 oz./gal (4.5 g/L)
Angular Leaf Spot	<i>Pseudomonas syringae*</i>	High disease pressure: 1.2 oz./gal (9.0 g/L)
Anthraxnose	<i>Colletotrichum</i> spp.*	Re-apply on a 3- to 10-day schedule, with average re-application interval of 7 days.
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>Lasiodiplodia</i> spp.*; <i>Neofusicoccum</i> spp.*; <i>Dothiorella</i> spp.*; <i>Sphaeropsis</i> spp.*	
Botrytis	<i>Botrytis</i> spp.*	
Brooks Spot	<i>Mycosphaerella pomi*</i>	

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(continued)

Pests		Application Rate
Buckeye Rot	<i>Phytophthora</i> spp.*	Outdoor Use: 1.5-3.5 lbs. per acre
Bull's-Eye Rot	<i>Neofabraea</i> spp.*	Greenhouse Use: Low to medium disease pressure: 0.6 oz./gal (4.5 g/L)
Cercospora Leaf Spot	<i>Cercospora citrullina*</i>	High disease pressure: 1.2 oz./gal (9.0 g/L)
Cherry Leaf Spot	<i>Blumeriella jaapii*</i>	Re-apply on a 3- to 10-day schedule, with average re-application interval of 7 days.
Common Leaf Spot	<i>Ramularia tulasneii*</i>	
Downy Mildew	<i>Peronospora</i> spp.*; <i>Plasmopara viticola*</i>	
Early Blight	<i>Alternaria solani*</i>	
Esca Black Measles	<i>Phaeoacremonium</i> spp.*; <i>Phaeomonilia</i> spp.*	
Eutypa	<i>Eutypa lata*</i>	
Fire Blight	<i>Erwinia amylovora*</i>	
Flyspeck	<i>Schizothryium pomi*</i>	
Fruit Brown Rot	<i>Monilinia fruticola*</i>	
Gray Mold/Bud Rot	<i>Botrytis</i> spp.*	
Gummy Stem Blight	<i>Didymella bryoniae*</i>	
Hull Rot	<i>Rhizopus</i> spp.*; <i>Monilinia</i> spp.*	
Jacket Rot/ Green Fruit Rot	<i>Disease Complex*</i>	
Late Blight	<i>Phytophthora infestans*</i>	
Leaf Curl	<i>Taphrina deformans*</i>	
Leaf Mold	<i>Fulvia fulva/ Passalora fulva*</i>	
Leaf Rust	<i>Pucciniastrum vaccinia*</i>	
Leaf Scorch	<i>Diplocarpon earliana*</i>	
Leaf Spot	<i>Alternaria</i> spp.*; <i>Cercospora</i> spp.*; <i>Entomosporium</i> spp.*; <i>Myrothecium</i> spp.*; <i>Septoria</i> spp.*	
Mummy Berry	<i>Monilinia vaccinicorymbosi*</i>	
Olive Knot	<i>Pseudomonas savastanoi pv. savastanoi*</i>	
Onion Purple Blotch	<i>Alternaria porri*</i>	
Pecan Scab	<i>Cladosporium carygenium*</i>	
Phomopsis	<i>Phomopsis</i> spp.*	
Pin Rot	<i>Alternaria</i> spp.*	
Pink Rot	<i>Sclerotinia sclerotiorum*</i>	
Phytophthora Blight	<i>Phytophthora capsici*</i>	
Plectosporium Blight	<i>Plectosporium tabacinum/ Plectosphaerella cucumerina*</i>	
Powdery Mildew	<i>Erysiphe</i> spp.*; <i>Microsphaera</i> spp.*; <i>Oidium</i> spp.*; <i>Podosphaera</i> spp.*; <i>Sphaerotheca</i> spp.*	
Ramularia	<i>Ramularia</i> spp.*	
Rhizoctonia	<i>Rhizoctonia solani*</i>	
Rusts*	<i>Puccinia</i> spp. and others*	
Rusty Spot	<i>Podosphaera leucotricha*</i>	
Scab	<i>Venturia</i> spp.*	
Sclerotinia	<i>Sclerotinia</i> spp.*	

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Prepared by
MOTT GRAPHICS
LIST NO.
A560700-04-02
COMMODITY NO.
A50410785/R1
LABEL EDITOR
C Kelly
DATE
05.09.23
VARIABLE INFO AREA
Right Tab Base
COLOR SEPARATIONS
BLACK

5.8125"

5.875"

Pests		Application Rate
Shot Hole	<i>Wilsonomyces carpophilus</i> *; <i>Xanthomonas pruni</i> *	Outdoor Use: 1.5-3.5 lbs. per acre
Sooty Blotch	Sooty Blotch Disease complex*	Greenhouse Use: Low to medium disease pressure: 0.6 oz./gal (4.5 g/L)
Sooty Mold	Pathogens belonging to the Order <i>Dothideales</i> *	
Sour Rot	<i>Sour rot complex</i> *	High disease pressure: 1.2 oz./gal (9.0 g/L)
Southern Blight	<i>Sclerotium rolfsii</i> *	
Stemphylium Leaf Blight/Stalk Rot	<i>Stemphylium vesicarium</i> *	Re-apply on a 3- to 10-day schedule, with average re-application interval of 7 days.
Summer Bunch Rot	<i>Aspergillus</i> spp.*; <i>Alternaria</i> spp.*; <i>Cladosporium</i> spp.*; <i>Penicillium</i> spp.*; <i>Rhizopus</i> spp.*	
Target Spot	<i>Corynespora cassiicola</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> *	

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Turfgrass and Ornamental Grasses		
Bluegrass; Bentgrass; Bermudagrass; Dichondra; Fescue; Orchardgrass; <i>Poa annua</i> ; Ryegrass; St. Augustine; Zoysia; mixtures and other grasses, ornamental turf		
Pests		Application Rate
Anthraxnose	<i>Colletotrichum graminicola</i> *	1.5-3.5 lbs. per acre
Dead Spot	<i>Ophiosphaerella agrostis</i> *	
Brown Patch	<i>Rhizoctonia solani</i> *	Re-apply on a 3- to 10-day schedule, with average re-application interval of 7 days.
Copper Spot	<i>Gloeocercospora sorghi</i> *	
Dollar Spot	<i>Lanzia</i> spp.*; <i>Clarireedia homoeocarpa</i> / <i>Sclerotinia homoeocarpa</i> *	
Fusarium Patch	<i>Fusarium nivale</i> *	
Gray Leaf Spot	<i>Pyricularia grisea</i> *	
Gray Snow Mold	<i>Typhula</i> spp.*	

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(continued)

Pests		Application Rate
Melting Out Leaf Spot	<i>Bipolaris</i> spp.*; <i>Drechslera</i> spp.*	1.5-3.5 lbs. per acre
Necrotic Ring Spot	<i>Leptosphaeria korrae</i> *	
Pink Patch	<i>Limonomyces roseipellis</i> *	Re-apply on a 3- to 10-day schedule, with average re-application interval of 7 days.
Pink Snow Mold	<i>Microdochium nivale</i> *	
Powdery Mildew	<i>Erysiphe graminis</i> *	
Pythium Blight/Root Rot	<i>Pythium</i> spp.*	
Red Thread	<i>Laetisaria fuciformis</i> *	
Rust	<i>Puccinia</i> spp.*	
Southern Blight	<i>Sclerotium rolfsii</i> *	
Spring Dead Spot	<i>Leptosphaeria korrae</i> *; <i>Leptosphaeria narmari</i> *; <i>Ophiosphaerella herpotricha</i> *	
Stripe Smut	<i>Ustilago striiformis</i> *; <i>Urocystis agropyri</i> *	
Summer Patch/Poa Patch	<i>Magnaporthe poae</i> *	
Take-all Root Rot	<i>Gaeumannomyces graminis</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 container in a cool, dry place, but do not exceed 95°F (35°C). Do not freeze. Tightly close opened package.

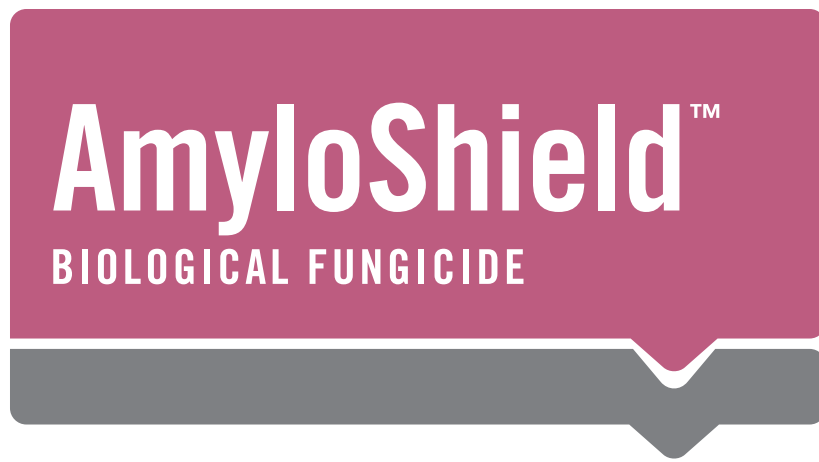
Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available, or dispose of empty bag in a sanitary landfill or by incineration. If burned, stay out of smoke.

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 strict accordance with accompanying directions.

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ACTIVE INGREDIENT:	By Wt
<i>Bacillus amyloliquefaciens</i> , 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. AmyloShield™ Biological Fungicide – For use on Ornamentals, Fruits, Vegetables, Herbs, Hemp, Turfgrass and other grasses.

KEEP OUT OF REACH OF CHILDREN CAUTION

See succeeding panel for First Aid, additional Precautionary Statements, Directions for Use and Storage/Disposal Statements.

EPA Reg. No. 73049-522
EPA Est. No. 33762-IA-001

Net Contents: 5.0 Pounds



AmyloShield™ is a trademark of Valent BioSciences LLC.

List No. A560700-04-02

A50410785R1

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VARIABLE INFO AREA Right Tab Base										
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PANTONE 348										
PANTONE 424										
PANTONE 7432										
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Leaflet Placement

AmyloShield™

BIOLOGICAL FUNGICIDE

OPEN HERE

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NO VARNISH PLATE SUPPLIED WITH TEMPLATE

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