

AMYLORID™

Biological Fungicide

Bacillus amyloliquefaciens
strain MBI 600

Group

44

Fungicide

Active Ingredient:

Bacillus amyloliquefaciens strain MBI 600*† 11.0%

Other Ingredients: 89.0%

Total: 100.0%

*AMYLORID™ contains a minimum of 5.5×10^{10} colony forming units per gram.

†Formerly named *Bacillus subtilis* strain MBI 600

EPA Reg. No. 71840-18-89635

EPA Est. No. 67064-IA-001

KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See inside for complete First Aid, Precautionary Statements, Directions For Use, Conditions of Sale and Warranty, and state-specific crop and/or use site restrictions.

For non-emergency information concerning this product, call the National Pesticide Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8:00 am to 12:00 pm Pacific Time (NPIC Website: www.npic.orst.edu). For emergencies, call your local poison control center at 1-800-222-1222.

Net Weight: 5 pounds

Batch Code: (Printed on Bottle)

Product of China; Formulated in the United States with U.S. and imported ingredients.

81173543 NVA 2019-04-492-0054

Distributed by:
Koppert Biological
Systems, Inc.
1502 Old US 23
Howell, MI 48843



Koppert 01942
v.1.2(25.02.25)



FIRST AID

If in eyes

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye.
- 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. Contact your local poison control center for emergency medical treatment information at 1-800-222-1222.

Precautionary Statements

Hazards to Humans and Domestic

Animals

CAUTION. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Protective eyewear
- A NIOSH-approved particulate respirator with any R or P filter with NIOSH approval number prefix TC-84A; or a

NIOSH-approved powered air purifying respirator with an HE filter with NIOSH approval number prefix TC-21C. (Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.)

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

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. 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. **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 (REI). 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 (REI) of **12 hours**.

EXCEPTION: If the product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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AGRICULTURAL USE REQUIREMENTS

(continued)

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
- Chemical-resistant gloves (made of any waterproof material)
- Shoes plus socks
- Protective eyewear

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Store in a cool, dry place until used. **DO NOT** store this product near food, feed, seed, fertilizers, or other pesticides.

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STORAGE AND DISPOSAL

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Pesticide Disposal

To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

Container Handling

Nonrefillable Container. DO NOT reuse or refill this container. Clean container promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. **DO NOT** burn, unless allowed by state and local ordinances. If burned, stay out of smoke.

In Case of Emergency

In case of large-scale spill of this product, call:

- CHEMTREC 1-800-424-9300

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment
- Your local poison control center (hospital)

Product Information

This package contains **AMYLORID™ Biological Fungicide**, a wettable powder (WP). The active ingredient in **AMYLORID™** is *Bacillus amyloliquifaciens* strain MBI 600, a beneficial microbe providing suppression of listed foliar and soilborne plant diseases. Apply **AMYLORID™** preventively in low to medium disease pressure situations. **AMYLORID™** can be applied as a foliar spray, a directed or banded spray, a soil or plant drench, as an in-furrow application, or through chemigation.

AMYLORID™ can be applied alone or in a tank mix with other registered pest control products, unless otherwise noted in **Table 2. Crop-specific Directions**. Apply **AMYLORID™** in a regularly scheduled protective spray program and use in a rotation program with other registered pesticide products. Under higher disease pressure situations, **AMYLORID™** can be tank mixed with other registered pesticide products.

Label statement required by the State of Oregon

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.html>

Integrated Pest Management (IPM)

AMYLORID™ can be integrated into an overall disease and pest management program. Follow cultural practices known to reduce disease development. Consult your local extension specialist, certified crop advisor and/or **Koppert®** representative for additional IPM strategies established for your area. **AMYLORID™** may be used in agricultural extension advisory (disease forecasting) programs, which recommend application timing based on environmental factors favorable for disease development.

Application Instructions

Apply rates of **AMYLORID™** as instructed by **Table 2. Crop-specific Directions**. Apply **AMYLORID™** with ground equipment or through sprinkler irrigation equipment. Equipment must be checked frequently for calibration. If heavy rainfall or irrigation occurs shortly after application, reapplication of **AMYLORID™** may be necessary.

Under low-level disease conditions, the minimum application rates can be used while maximum application rates and shortened spray schedules are to be used for severe or threatening disease conditions. Tank mixing **AMYLORID™ Biological Fungicide** with other registered pesticide products can also improve performance.

Cleaning Spray Equipment

Spraying equipment must be cleaned thoroughly before and after applying this product, particularly if a product with potential to injure crops was used prior to **AMYLORID™**.

Consult **Koppert®** Representatives for additional information regarding agitation and recirculation.

Foliar Ground Applications

Apply **AMYLORID™** in sufficient water to ensure thorough coverage of foliage, bloom, and fruit. Thorough coverage is required. Complete coverage of the stem, all the way down to the soil, is required for suppression of soilborne diseases of the stem.

Maintain agitation of product during the application process. Apply the product mixture shortly after mixing. **DO NOT** store mixed slurries of **AMYLORID™** overnight.

In-furrow, Shanked-in, Injected or Soil Drench Applications

Apply **AMYLORID™** as a water-based suspension alone or with other registered pest control products and fertilizers labeled for in-furrow or soil drench via standard agricultural application machinery. Prior to mixing, determine physical compatibility by mixing proportional quantities of the products in water as described in the **Compatibility Test for Tank Mix Components** section of this label. Maintain agitation of product during the application process. Apply the product mixture shortly after mixing. **DO NOT** store mixed slurries of **AMYLORID™** overnight.

For in-furrow, shanked-in, injected, or soil drench applications, mix 4 to 16 ounces by weight of **AMYLORID™** with a water volume appropriate for the crop and application type. Use higher rates and consider mixing with other registered pesticide products when conditions favor heavy disease development.

For soil drench applications at planting for seeding or transplants, apply a spray mixture of **AMYLORID™** with adequate water volume to thoroughly drench through the root zone.

For shanked-in and injected applications, the use of **AMYLORID™** can be prior to planting, at planting or after planting of seed or transplants.

For in-furrow applications, apply AMYLORID™ Biological Fungicide as an in-furrow spray using the appropriate amount of water for the specific crop. Making a pre-slurry suspension of AMYLORID™ may help disperse AMYLORID™ and improve equipment compatibility at lower application volumes.

Table 1. Instructions for In-furrow, Shanked-in, Injected or Soil Drench Applications of AMYLORID™ Biological Fungicide

Rate Per 1000 row feet	AMYLORID™ Rate (ozs/A)									
	12-inch rows	15-inch rows	20-inch rows	22-inch rows	30-inch rows	32-inch rows	34-inch rows	36-inch rows	38-inch rows	40-inch rows
0.3	13.1	10.4	7.8	7.1	5.2	4.9	4.6	4.4	4.1	4.0
0.4	see footnote ¹	13.9	10.4	9.5	7.0	6.5	6.1	5.8	5.5	5.2
0.5	see footnote ¹	see footnote ¹	13.1	11.9	8.7	8.2	7.7	7.3	6.9	6.6
0.6	see footnote ¹	see footnote ¹	15.7	14.2	10.4	9.8	9.2	8.7	8.2	7.9
0.7	see footnote ¹	see footnote ¹	see footnote ¹	see footnote ¹	12.2	11.4	10.7	10.2	9.6	9.2
0.8	see footnote ¹	see footnote ¹	see footnote ¹	see footnote ¹	13.9	13.0	12.3	11.6	11.0	10.5

(continued)

Table 1. Instructions for In-furrow, Shanked-in, Injected or Soil Drench Applications of AMYLORID™ Biological Fungicide (continued)

Rate Per 1000 row feet	AMYLORID™ Rate (ozs/A)									
	12-inch rows	15-inch rows	20-inch rows	22-inch rows	30-inch rows	32-inch rows	34-inch rows	36-inch rows	38-inch rows	40-inch rows
0.9	see footnote ¹	see footnote ¹	see footnote ¹	see footnote ¹	15.7	14.7	13.8	13.1	12.3	11.8
1.0	see footnote ¹	see footnote ¹	see footnote ¹	see footnote ¹	see footnote ¹	see footnote ¹	15.4	14.5	13.7	13.1
1.1	see footnote ¹	see footnote ¹	see footnote ¹	see footnote ¹	see footnote ¹	see footnote ¹	see footnote ¹	16.0	15.1	14.4
1.2	see footnote ¹	see footnote ¹	see footnote ¹	see footnote ¹	see footnote ¹	see footnote ¹	see footnote ¹	see footnote ¹	see footnote ¹	15.7

Application Directions. Use 0.3 to 1.2 ozs of AMYLORID™ per 1000 feet of row. Refer to this chart to determine the rate per acre. Apply at planting as an in-furrow application by directing the spray into the furrow before seed is covered.

DO NOT apply more than 16 ozs (1 lb) per acre of AMYLORID™.

¹For 40-inch rows, use a maximum of 1.2 ozs of AMYLORID™ per 1000 row feet.
 For 36- to 38-inch rows, use a maximum of 1.1 ozs of AMYLORID™ per 1000 row feet.
 For 34-inch rows, use a maximum of 1.0 oz of AMYLORID™ per 1000 row feet.
 For 30- to 32-inch rows, use a maximum of 0.9 oz of AMYLORID™ per 1000 row feet.
 For 20- to 22-inch rows, use a maximum of 0.6 oz of AMYLORID™ per 1000 row feet.
 For 15-inch rows, use a maximum of 0.4 oz of AMYLORID™ per 1000 row feet.
 For 12-inch rows, use a maximum of 0.3 oz of AMYLORID™ per 1000 row feet.

Instructions for Directed or Banded Sprays Related to Ground Applications

The application rates shown in **Table 2. Crop-specific Directions** on this label reflect the amount of product to be applied uniformly over an acre of ground on a broadcast basis. In some crops, **AMYLORID™ Biological Fungicide** may be used as a directed or banded spray over the rows or plant beds with the alleys or row middles left unsprayed. For such uses, reduce the labeled **AMYLORID™** rates in proportion to the area actually sprayed. This adjustment is necessary to avoid applying the product at use rates higher than permitted according to label directions. The following formula may be used to determine the broadcast equivalent rate for doing directed or banded sprays:

$$\frac{\text{sprayed bed width}}{\text{total row width in inches}} + \frac{\text{unsprayed row middles width}}{\text{total row width}} = \frac{\text{total row width}}{\text{total row width}}$$
$$\frac{\text{sprayed bed width in inches}}{\text{total row width in inches}} \times \frac{\text{broadcast rate}}{\text{treated acre}} = \frac{\text{band rate}}{\text{field acre}}$$

Example: A directed spray application will be made to 45-inch plant beds that are separated by 15-inch unsprayed row middles.

$$\frac{45 \text{ inches}}{\text{sprayed bed width}} + \frac{15 \text{ inches}}{\text{unsprayed row middles}} = \frac{60 \text{ inches}}{\text{total row width}}$$

The calculation to determine the appropriate equivalent rate of product to use for this situation based on a label broadcast rate of 4 ozs/acre follows:

$$\frac{45 \text{ inches}}{60 \text{ inches}} \times \frac{4 \text{ ozs}}{\text{treated acre}} = \frac{3 \text{ ozs}}{\text{field acre}} \text{ AMYLORID™}$$

Directions for Use through Sprinkler Chemigation Systems

Sprayer Preparation

Clean chemical tank and injector system thoroughly. Flush system with clean water.

Application Instructions

Apply **AMYLORID™** at rates and timings as described in this label.

Use Precautions for Sprinkler Irrigation

Applications

• Apply this product only through sprinkler (including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move) irrigation systems. **DO NOT** apply this product through any other type of irrigation system.

- Add **AMYLORID™ Biological Fungicide** to the pesticide supply tank under agitation containing sufficient water to maintain a continuous flow by the injection equipment. In continuous moving systems, inject this product-water mixture continuously, applying the labeled rate per acre for that crop.
- DO NOT exceed 1/2 inch (13,577 gallons) per acre. In stationary or noncontinuous moving systems, inject the product-water mixture in the last 15 to 30 minutes of each set allowing sufficient time for all of the required pesticide to be applied by all the sprinkler heads and applying the labeled rate per acre for that crop.
- DO NOT apply when wind speed favors drift beyond the area intended for treatment.
- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. Thorough coverage of foliage is required for good suppression. Maintain good agitation during the entire application period.
- If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
- The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water.

- **DO NOT** connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.
- A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Specific Instructions for Public Water Systems

1. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
4. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. The pesticide supply tank must be under agitation containing sufficient water to maintain a continuous flow by the injection equipment. In continuous moving systems, inject this product-water mixture continuously, applying the labeled rate per acre for that crop.
8. **DO NOT** apply when wind speed favors drift beyond the area intended for treatment.

Additives and Tank Mixing Information

AMYLORID™ Biological Fungicide can be tank mixed with most recommended registered pest control products, liquid fertilizers, biological control products, adjuvants, and additives as specified in **Table 2. Crop-specific Directions**. Before using any tank mix (bactericides, fungicides, insecticides, herbicides, liquid fertilizers, biological control products, adjuvants, and additives), test the combination on a small portion of the crop to be treated to ensure that a phytotoxic response will not occur as a result of application.

Consult a Koppert® representative or local agricultural authorities for more information concerning additives. If tank mixes are used, observe the most restrictive of labeling limitations and precautions of all products used in mixtures.

Compatibility Test for Tank Mix Components

Using a suitable container, add proportional amounts of product to water following the tank mixing order below.

Tank Mix Components

1. **Water.** For 100 gallons per acre spray volume, use 16 cups (1 gallon) of water. For other spray volumes, adjust rates accordingly. Use only water from the intended source at the source temperature.
2. **Water-dispersible products** (dry flowables, wettable powders, suspension concentrates, or suspoemulsions). Cap the jar and invert 10 cycles.
3. **Water-soluble products.** Cap the jar and invert 10 cycles.
4. **Emulsifiable concentrates** (oil concentrate or methylated seed oil when applicable). Cap the jar and invert 10 cycles.
5. **Water-soluble additives.** Cap the jar and invert 10 cycles.
6. Let the solution stand for 5 minutes.

Evaluate the solution for uniformity and stability. The spray solution should not have free oil on the surface, nor fine particles that precipitate to the bottom, nor thick (clabbered) texture. Simulate tank agitation by inverting the jar for another 10 cycles to ensure that the mixture resuspends. If the tank mix combination does not settle or can be resuspended by agitation, it is considered physically compatible. **DO NOT** use any spray solution that could clog spray nozzles.

Mixing Order

1. **Water** - Begin by agitating a thoroughly clean sprayer tank 3/4 full of clean water. The pH of the spray solution must be between 4 and 9.

The product mixture must be applied shortly after mixing. **DO NOT** store mixed slurries of **AMYLORID™ Biological Fungicide** overnight.

2. **Agitation** - Maintain constant agitation throughout mixing and application.

3. **Inductor** - If an inductor is used, rinse it thoroughly after each component has been added.

4. **Products in polyvinyl alcohol (PVA) bags** - Place any product contained in water-soluble PVA bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.

5. **Water-dispersible products** (such as **AMYLORID™**, dry flowables, wettable powders, suspension concentrates, or suspoemulsions).

6. **Water-soluble products**

7. **Emulsifiable concentrates** (such as oil concentrates when applicable).

8. **Water-soluble additives** (such as ammonium sulfate (AMS) or urea ammonium nitrate (UAN) when applicable).

9. **Remaining quantity of water**

Make sure that each component is thoroughly mixed and suspended before adding tank mix partners. Maintain constant agitation during application. See **Table 2. Crop specific Directions** for more details.

Restrictions and Limitations

- **Crop Rotation Restriction** - None
- **Preharvest Interval (PHI)** - 0 Day
- **Re-entry Interval (REI)** - 12 hours
- **Not for use** in California on crops and diseases marked with an asterisk (*) in **Table 2. Crop-specific Directions**

Table 2. Crop-specific Directions

Crop	Target Diseases	Product Use Rate per Application (ozs or lb of AMYLORID™ Biological Fungicide/Acre)	Application Directions
<p>Corn</p> <p>Field corn Popcorn Seed production Silage corn Sweet corn</p>	<p>Foliar Diseases</p> <p>Common rust <i>(Puccinia sorghi)</i></p> <p>Southern leaf blight <i>(Bipolaris maydis)</i></p>	<p>4 to 16 ozs/A (0.25 to 1.0 lb/A)</p>	<p>Begin foliar applications prior to infection and continue on 7- to 10-day intervals if conditions are conducive for disease development. Use the higher rate and shorter interval when disease pressure is high. Mix AMYLORID™ with a labeled corn fungicide.</p> <p>Mix and apply AMYLORID™ in sufficient water volume to ensure uniform dispersion in spray tank and thorough coverage of foliage and shoot tissue.</p>
	<p>Soil Diseases</p> <p>Charcoal rot <i>(Macrophomina phaseolina)</i></p> <p>Fusarium wilt <i>(Fusarium spp.)</i></p> <p>Phytophthora root rot <i>(Phytophthora spp.)</i></p> <p>Pythium damping off <i>(Pythium spp.)</i></p> <p>Rhizoctonia root rot <i>(Rhizoctonia solani)</i></p>		<p>See Application Instructions for In-furrow, Shanked-in, Injected or Soil Drench Applications.</p> <p>Apply a high enough water volume to thoroughly soak soil through the root zone.</p>

Table 2. Crop-specific Directions (*continued*)

Crop	Target Diseases	Product Use Rate per Application (ozs or lb of AMYLORID™ Biological Fungicide/Acre)	Application Directions
Hops	Foliar Diseases Powdery mildew (<i>Sphaerotheca macularis</i>)	4 to 16 ozs/A (0.25 to 1.0 lb/A)	For Powdery mildew , begin foliar applications prior to onset of disease and continue on 5- to 10-day intervals as needed. Mix and apply AMYLORID™ in sufficient water volume to ensure uniform dispersion in spray tank and thorough coverage of foliage and shoot tissue.

Table 2. Crop-specific Directions (continued)

Crop	Target Diseases	Product Use Rate per Application (OZS or lb of AMYLORID™ Biological Fungicide/Acre)	Application Directions
<p>Oilseed group</p> <p>Castor oil plant Cottonseed Flaxseed Rapeseed Rapeseed, canola varieties Safflower Sesame Sunflower</p>	<p>Foliar Diseases</p> <p>White mold (<i>Sclerotinia sclerotiorum</i>)</p>	<p>4 to 16 ozs/A (0.25 to 1.0 lb/A)</p>	<p>For White mold, apply shortly after emergence when conditions favor disease development. Repeat on 7- to 10-day intervals as needed. When disease pressure is high, use the higher rate and shorter interval.</p> <p>Mix and apply AMYLORID™ in sufficient water volume to ensure uniform dispersion in spray tank and thorough coverage of foliage and shoot tissue.</p>

(continued)

Table 2. Crop-specific Directions (*continued*)

Crop	Target Diseases	Product Use Rate per Application (OZS or lb of AMYLORID™ Biological Fungicide/Acre)	Application Directions
<p>Oilseed group</p> <p>Castor oil plant Cottonseed Flaxseed Rapeseed Rapeseed, canola varieties Safflower Sesame Sunflower</p>	<p>Soil Diseases</p> <p>Cylindrocladium black rot* (<i>Cylindrocladium spp.</i>)</p> <p>Fusarium wilt (<i>Fusarium spp.</i>)</p> <p>Phytophthora root rot (<i>Phytophthora spp.</i>)</p> <p>Pythium damping off (<i>Pythium spp.</i>)</p> <p>Rhizoctonia root rot (<i>Rhizoctonia solani</i>)</p> <p>Southern blight (<i>Sclerotium rolfsii</i>)</p> <p>Verticillium wilt (<i>Verticillium spp.</i>)</p>	<p>4 to 16 ozs/A (0.25 to 1.0 lb/A)</p>	<p>See Application Instructions for In-furrow, Shanked-in, Injected or Soil Drench Applications.</p> <p>Apply a high enough water volume to thoroughly soak soil through the root zone.</p>

* Not registered for use in California.

Table 2. Crop-specific Directions (continued)

Crop	Target Diseases	Product Use Rate per Application (ozs or lb of AMYLORID™ Biological Fungicide/Acre)	Application Directions
Peanut*	<p>Foliar Diseases</p> <p>Early leaf spot (<i>Cercospora arachidicola</i>)</p> <p>Late leaf spot (<i>Cercospora personatum</i>)</p> <p>Pepper spot (<i>Leptospherulina crassiasca</i>)</p> <p>Rust (<i>Puccinia arachidis</i>)</p> <p>Web blotch (<i>Phoma arachidicola</i>)</p>	4 to 16 ozs/A (0.25 to 1.0 lb/A)	<p>For Foliar diseases, apply prior to disease development. Repeat on 5- to 14-day intervals as needed. When disease pressure is high, use higher rates and shorter intervals.</p> <p>Mix and apply AMYLORID™ in sufficient water volume to ensure uniform dispersion in spray tank and thorough coverage of foliage and shoot tissue.</p>

* Not registered for use in California.

(continued)

Table 2. Crop-specific Directions (continued)

Crop	Target Diseases	Product Use Rate per Application (OZS or lb of AMYLORID™ Biological Fungicide/Acre)	Application Directions
Peanut*	<p>Soil Diseases</p> <p>Cylindrocladium black rot (<i>Cylindrocladium spp.</i>)</p> <p>Rhizoctonia limb rot, Peg rot and Pod rot (<i>Rhizoctonia solani</i>)</p> <p>Sclerotinia blight (<i>Sclerotinia minor</i>)</p> <p>Sclerotium rot, Southern stem rot, Southern blight and White mold (<i>Sclerotium rolfsii</i>)</p>	4 to 16 ozs/A (0.25 to 1.0 lb/A)	<p>See Application Instructions for In-furrow, Shank-in, Injected or Soil Drench Applications.</p> <p>Apply a high enough water volume to thoroughly soak soil through the root zone.</p>

* Not registered for use in California.

Table 2. Crop-specific Directions (*continued*)

Crop	Target Diseases	Product Use Rate per Application (OZS or lb of AMYLORID™/ Biological Fungicide/ Acre)	Application Directions
<p>Soybean (<i>Glycine max</i>)</p>	<p>Foliar Diseases</p> <p>White mold (<i>Sclerotinia sclerotiorum</i>)</p>	<p>4 to 16 ozs/A (0.25 to 1.0 lb/A)</p>	<p>Begin foliar applications prior to infection and continue on 7- to 10-day intervals if conditions are conducive for disease development. Use the higher rate and shorter interval when disease pressure is high. Mix AMYLORID™ with a labeled soybean fungicide.</p> <p>Mix and apply AMYLORID™ in sufficient water volume to ensure uniform dispersion in spray tank and thorough coverage of foliage and shoot tissue.</p>
	<p>Soil Diseases</p> <p>Charcoal rot (<i>Macrophomina phaseolina</i>)</p> <p>Fusarium wilt (<i>Fusarium spp.</i>)</p> <p>Phytophthora root rot (<i>Phytophthora spp.</i>)</p> <p>Pythium damping off (<i>Pythium spp.</i>)</p> <p>Rhizoctonia root rot (<i>Rhizoctonia solani</i>)</p>		<p>See Application Instructions for In-furrow, Shanked-in, Injected or Soil Drench Applications.</p> <p>Apply a high enough water volume to thoroughly soak soil through the root zone.</p>

Table 2. Crop-specific Directions (*continued*)

Crop	Target Diseases	Product Use Rate per Application (ozs or lb of AMYLORID™ Biological Fungicide/Acre)	Application Directions
Sugar beet	<p>Foliar Diseases</p> <p>Leaf spot (<i>Cercospora beticola</i>)</p> <p>Powdery mildew (<i>Erysiphe betae</i>)</p> <p>Rhizoctonia stem canker and crown rot (<i>Rhizoctonia solani</i>)</p>	4 to 16 ozs/A (0.25 to 1.0 lb/A)	<p>For Leaf spot and Powdery mildew, begin applications prior to infection and continue on 7- to 14-day intervals if conditions are conducive for disease development. Use the higher rate and shorter interval when disease pressure is high.</p> <p>For Rhizoctonia stem canker and crown rot, begin applications at the 2-leaf stage and continue on 3- to 10-day intervals until the 8-leaf stage.</p> <p>Mix and apply AMYLORID™ in sufficient water volume to ensure uniform dispersion in spray tank and thorough coverage of foliage and shoot tissue.</p>

Table 2. Crop-specific Directions (continued)

Crop	Target Diseases	Product Use Rate per Application (ozs or lb of AMYLORID™ Biological Fungicide/ Acre)	Application Directions
Tobacco	<p>Foliar Diseases</p> <p>Angular leaf spot (<i>Pseudomonas spp.</i>)</p> <p>Anthracnose (<i>Colletotrichum destructivum</i>, <i>Glomerella glycines</i>)</p> <p>Barnspot/Frogeye leaf spot (<i>Cercospora nicotianae</i>)</p> <p>Brown spot (<i>Alternaria alternata</i>)</p> <p>Blue mold (<i>Peronospora spp.</i>)</p> <p>Botrytis gray mold (<i>Botrytis cinerea</i>)</p> <p>Collar rot (<i>Sclerotinia sclerotiorum</i>)</p> <p>Powdery mildew (<i>Erysiphe cichoracearum</i>)</p> <p>Target spot (<i>Rhizoctonia solani</i>)</p>	4 to 16 ozs/A (0.25 to 1.0 lb/A)	<p>Begin foliar applications prior to infection and continue on 7- to 10-day intervals if conditions are conducive for disease development. Use the higher rate and shorter interval when disease pressure is high.</p> <p>Mix and apply AMYLORID™ in sufficient water volume to ensure uniform dispersion in spray tank and thorough coverage of foliage and shoot tissue.</p>

(continued)

Table 2. Crop-specific Directions (*continued*)

Crop	Target Diseases	Product Use Rate per Application (ozs or lb of AMYLORID™ Biological Fungicide/Acre)	Application Directions
Tobacco	Soil Diseases Black root rot (<i>Thielaviopsis basicola</i>) Black shank (<i>Phytophthora spp.</i>) Charcoal rot (<i>Macrophomina phaseolina</i>) Southern blight (<i>Sclerotium rolfsii</i>)	4 to 16 ozs/A (0.25 to 1.0 lb/A)	See Application Instructions for In-furrow, Shanked-in, Injected or Soil Drench Applications. Apply a high enough water volume to thoroughly soak soil through the root zone.

Table 2. Crop-specific Directions (continued)

Crop	Target Diseases	Product Use Rate per Application (OZS or lb of AMYLORID™ Biological Fungicide/Acre)	Application Directions
Wheat and Barley*	Foliar Diseases Head scab (<i>Fusarium spp.</i>)	4 to 16 ozs/A (0.25 to 1.0 lb/A)	For Head scab , apply AMYLORID™ at any time from one week prior to flowering to one week after flowering. Tank mix AMYLORID™ with a fungicide labeled for head scab. Mix and apply AMYLORID™ in sufficient water volume to ensure uniform dispersion in spray tank and thorough coverage of foliage and shoot tissue.

* Not registered for use in California.

Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of **Koppert**[®] or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

Koppert[®] warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, KOPPERT[®] MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Conditions of Sale and Warranty *(continued)*

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND KOPPERTS'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, KOPPERT[®] AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

Koppert[®] and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of **Koppert**[®].

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AMYLORID™ is a trademark of Koppert®.

81173543 NVA 2019-04-492-0054

Distributed by:
Koppert Biological Systems, Inc.
1502 Old US 23
Howell, MI 48843



AMYLORID™

Biological Fungicide

Active Ingredient:

Bacillus amyloliquefaciens strain MBI 600*† 11.0%

Other Ingredients: 89.0%

Total: 100.0%

*AMYLORID™ contains a minimum of 5.5×10^{10} colony forming units per gram.

†Formerly named *Bacillus subtilis* strain MBI 600

EPA Reg. No. 71840-18-89635 EPA Est. No. 67064-IA-001

KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUTION

See attached booklet for complete **First Aid, Precautionary Statements, Directions For Use, Conditions of Sale and Warranty**, and state-specific crop and/or use site restrictions.

FIRST AID: If in eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. 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. Contact your local poison control center for emergency medical treatment information at 1-800-222-1222.

Batch Code: (Printed on Bottle)

Net Weight: 5 pounds

Distributed by:

Koppert Biological Systems, Inc.

1502 Old US 23

Howell, MI 48843

81173543 NVA 2019-04-492-0054

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

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.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Store in a cool, dry place until used. **DO NOT** store this product near food, feed, seed, fertilizers, or other pesticides.

Pesticide Disposal

To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

Container Handling

Nonrefillable Container. **DO NOT** reuse or refill this container. Clean container promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. **DO NOT** burn, unless allowed by state and local ordinances. If burned, stay out of smoke.