

POWERGUARD™

**Biofungicide for
Use in Agriculture**

Active Ingredient: <i>Methylobacterium populi</i> strain NLS0089*	2.0%
Other Ingredients	98.0%
Total:	100.0%

*Contains not less than 1×10^9 CFU/g of product.

KEEP OUT OF REACH OF CHILDREN CAUTION

See inside attached booklet for additional precautionary information, directions for use, storage and disposal and Limited Warranty and Disclaimer.

FIRST AID

IF INHALED	• 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 IN EYES	• 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.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For information on this product (including general health concerns or pesticide incidents), 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 medical emergencies, call your local poison control center at 1-800-222-1222.

Net Weight: 0.38 lb (0.17 kg)

LBL-R00-0566 v20260622

Manufactured for:

Meristem Crop Performance Group, LLC.
489 Village Park Drive, Powell, OH 43065
[Pat. newleafsym.com/patents/](http://Pat.newleafsym.com/patents/)

EPA Reg. No.: 95699-1-95552

EPA Est. No.: 95552-OH-1 (Lot begins DH)

EPA Est. No.: 95552-IA-1 (Lot begins CB)

Expiration Date: 07/31/2028

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION: Harmful if inhaled. Avoid breathing spray mist. 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. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and other handlers must wear:

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

Mixer/loaders and applicators (except treated seed baggers and bag sewers) must wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R, or P filter; OR a NIOSH approved elastomeric particulate respirator with any N, R, or P filter; OR a NIOSH-approved powered air-purifying respirator with an HE filter. Repeated exposure 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, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS: When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides 40 CFR § 170.607 (d), (e), and (f), 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 break-down.

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. 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 (REI) of 4 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.

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, wear:

- coveralls
- waterproof gloves
- shoes plus socks

BASIC USE INFORMATION

PowerGuard™ is a broad spectrum, preventative product for the suppression of listed plant diseases via induction of the plant's natural defense mechanisms (induced systemic resistance (ISR)). This results in reduced disease incidence and severity. For the best results, apply at least 7 days before the expected disease occurs. Apply PowerGuard alone, in alternating spray programs, or in tank mixes with other registered crop protection products. When conditions are conducive to heavy disease pressure, use PowerGuard (in combination or in a rotational program) with other registered fungicides effective against the target pathogen. Apply PowerGuard with spray equipment commonly used for making ground or aerial applications and irrigation systems commonly used for chemigation. Heavy rainfall or irrigation shortly after application may require retreatment. PowerGuard is labeled for use in field crops.

PowerGuard is most effectively used in a preventive disease management program.

FUNGICIDE RESISTANCE MANAGEMENT AND INTEGRATED PEST MANAGEMENT (IPM)

Integrate PowerGuard into an overall disease and pest management strategy whenever fungicide use is necessary. Follow practices known to reduce disease development. Consult local agricultural authorities for specific IPM strategies developed for your crop(s) and location.

Be sure use of this product conforms to resistance management strategies, which may include rotating and/or tank mixing with other products with different modes of action.

USE RATE DETERMINATION

Carefully read and follow all label directions, use rates and restrictions. Application of PowerGuard prior to or in the early stages of disease development provides the best suppression of the targeted plant disease. Use maximum label rates and shortened spray intervals for conditions conducive to threatening or rapid disease development. For proper application, determine the number of acres to be treated, the label use rate and select appropriate gallonage to give good canopy penetration and coverage of plant parts to be protected. Prepare only the amount of spray solution required to treat the measured acreage. Accurate spray equipment calibration is essential prior to use.

PRE-HARVEST INTERVAL

PowerGuard can be applied up to and on the day of harvest.

FOR USE AS DRY SEED TREATMENT AND PLANTER BOX (ONSITE):

MIXING INSTRUCTIONS

PowerGuard may be applied mixed with seed flow lubricants and/or other products labeled for planter box use but has not been evaluated with all of these products. This product cannot be mixed with any product with prohibition against such mixing. When mixing PowerGuard with other products, including registered pesticides, always read and follow all use directions, restrictions, and precautions of both PowerGuard and the partner(s). Use of the resulting mix must be in accordance with the more restrictive label limitations and precautions. Do not exceed label application rates.

COMPATIBILITY: Do not combine PowerGuard in the planter box with pesticides, surfactants, or fertilizers if there has been no previous experience or use of the combination to show it is physically compatible, effective and non-injurious under your use conditions.

APPLICATION INSTRUCTIONS

Apply product by dispersing the powder evenly onto seed. Mix well and ensure that seed is uniformly coated. For application rates, see application rates table. Use higher rates if the field has a history of moderate to heavy disease pressure, or if minimum/low till programs are in place. PowerGuard can be mixed with a seed flow lubricant and other products labeled for

onsite planter box applications, see mixing instructions for details.

To ensure PowerGuard efficacy, seed should be planted within six months of mixing PowerGuard with seed flow lubricants and seed in the planter box. If sold as a co-pack with Hopper Throttle® Corn, Hopper Throttle® MaxStax™ Corn, Hopper Throttle® Soybean, Hopper Throttle® MaxStax™ Soybean, Revline® Hopper Throttle® Corn, Revline® Hopper Throttle® Cotton, Revline® Hopper Throttle® Peanut, Revline® Hopper Throttle® Soybean, or other Brand Names with the same label directions for use, push down button labeled PowerGuard to release contents into the base. Seal package and shake aggressively. Allow product to settle before reopening package for application to seed.

APPLICATION RATE TABLES

Corn - Seed Treatment: dry and planter box application methods	
Feed Corn, Field Corn, Fuel Corn, Popcorn, Seed Corn, Silage Corn, Sweet Corn	
Target Diseases	Rate (oz per unit of seed)
Fusarium wilt <i>Fusarium</i> spp. Southern rust <i>Puccinia polysora</i> Tar Spot <i>Phyllachora maydis</i>	0.125 oz per unit of seed (80,000 seeds)
Cotton - Seed Treatment: dry and planter box application methods	
Cotton, Short Staple Cotton, Long Staple Cotton, Upland Cotton, Pima Cotton	
Target Diseases	Rate (oz per unit of seed)
Fusarium wilt <i>Fusarium</i> spp. Pythium damping off <i>Pythium</i> spp. Rhizoctonia root rot <i>Rhizoctonia</i> spp.	0.25 oz per unit of seed (250,000 seeds)

APPLICATION RATE TABLES

Peanut - Seed Treatment: dry and planter box application methods

Target Diseases	Rate (oz per unit of seed)
Fusarium wilt <i>Fusarium</i> spp. Pythium damping off and pod rot <i>Pythium</i> spp. Rhizoctonia root and pod rot <i>Rhizoctonia</i> spp. White mold <i>Sclerotinia sclerotiorum</i> , <i>Sclerotium rolfsii</i> , <i>Sclerotinium</i> spp.	0.06 oz per unit of seed

Soybean - Seed Treatment: dry and planter box application methods

Target Diseases	Rate (oz per unit of seed)
Phytophthora root rot <i>Phytophthora</i> spp. Pythium damping off <i>Pythium</i> spp. Rhizoctonia root rot <i>Rhizoctonia</i> spp. Sudden Death Syndrome <i>Fusarium virguliforme</i> . White mold/Sclerotinia stem rot <i>Sclerotinia sclerotiorum</i>	0.125 oz per unit of seed (140,000 seeds)

Wheat - Seed Treatment: dry and planter box application methods

Target Diseases	Rate (oz per unit of seed)
Pythium damping off <i>Pythium</i> spp.	0.05 oz per unit of seed

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a dry area inaccessible to children. Store in original container only. Keep container closed when not in use. Do not store at temperatures above 78°F (25°C).

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:

For plastic containers with a capacity equal to or less than 50 pounds - 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 if allowed by State and local authorities. If burned, stay out of smoke.

CONDITIONS FOR SALE AND WARRANTY

IMPORTANT: READ BEFORE USE

Read the Directions for Use, the Conditions, Disclaimer of Warranties, Limitation of Liability, and License set forth below. If the following terms are not acceptable, please return the product immediately for a refund of the purchase price. Otherwise, use by buyer or any other user constitutes acceptance of the following terms.

Conditions: The directions for use of this product are believed to be adequate and must be followed carefully. It is impossible, however, to eliminate all risks inherently associated with the use of this product. Weather or crop conditions; the presence of other materials; the manner of use or application; any use, storage or handling that is contrary to the Directions for Use; and other such factors that are beyond the control of Meristem Crop Performance Group, LLC ("Meristem") may cause ineffectiveness or other unintended consequences. User assumes all such risks.

Disclaimer of Warranties: Meristem warrants that this product conforms to the biological or chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, Meristem MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OR GUARANTY, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY OR NONINFRINGEMENT.

Limitation of Liability: To the extent consistent with applicable law, Meristem or the seller disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product, and the buyer and user waive any right that they may have to such damages. Except to the extent prohibited by applicable law, Meristem or seller's exclusive liability and the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product,

whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or, at Meristem's election, the replacement of product.

License and Prohibition of Re-Sale: Meristem hereby grants buyer or user the right under the patents listed on the label to use this product solely in accordance with the label Directions for Use for applications to plants, including plant parts such as seed, or to soil, where the treated plants or the plants grown in treated soil are intended for sale, in whole or in part, or are intended for public or personal use. The buyer or user does not have the right to de-formulate this product or to isolate and/or culture its active ingredient for any purpose. Unless specifically granted in writing, the buyer or user does not have the right to re-sell this product in any form; e.g., this product may not be re-sold in combination with other products or other active ingredients or in a diluted form, unless combinations are prepared and delivered to the end-user for immediate application to plants, plant parts or soil solely in accordance with the label Directions for Use.

Meristem and Seller offer this Product and buyer and user accept it subject to the foregoing Conditions, Disclaimer of Warranties, Limitation of Liability and License, which may only be modified by a written document signed by a duly authorized representative of Meristem.

Hopper Throttle, MaxStax, Meristem, PowerGuard and Revline are trademarks of Meristem Crop Performance® Group, LLC. All other trademarks are the property of their respective owners.

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POWERGUARD™ III

Biofungicide for Use in Agriculture

Active Ingredient:

Methylorubrum populi strain NLS0089*2.0%

Other Ingredients98.0%

Total:100.0%

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Manufactured for:

Meristem Crop Performance Group, LLC.
489 Village Park Drive, Powell, OH 43065

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**IF
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- 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.

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EYES**

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