



# NovoMAX PGH

*Provides a blend of multiple Bacillus strains aimed at plant health and growth promotion. The Bacillus strains were mainly selected for their wide range of enzyme production, which helps hydrolyze raw substrates in the soil, making nutrients more available to the plant.*

## WE WORK FOR NATURE

<b>PRODUCT CODE</b>	<i>Novomax - PGH</i>
<b>INGREDIENTS</b>	<i>Bacillus Bacteria</i>
<b>CONCENTRATION</b>	<i>4 Billion CFU/g 100 Billion CFU/g</i>
<b>SHELF LIFE</b>	<i>2 years</i>
<b>PROPERTIES</b>	<i>Form: Powder Color: Brown</i>
<b>PACKAGING</b>	<i>50 lb / Pail</i>
<b>STORAGE</b>	<i>Keep container closed, dry, and free from moisture</i>

**CHARACTERISTICS:**

- Facultative.
- Meets all FDA microbial standards for soil biological amendments.
- All-natural and non-toxic.
- Produces multiple enzymes including: amylase, protease, xylanase, cellulase, lipase, and esterase.
- Rapidly decomposes plant residues and manure, reducing composting cycle time.
- Produces a more homogeneous and nutrient-rich compost, improving its quality as an organic amendment.
- Activates compost microbiota, promoting the action of beneficial bacteria and fungi.

**BENEFITS:**

- Decomposes and digests solids and odor-causing compounds.
- Safe for the environment.
- Improves and maintains a more balanced microbial ecosystem in the soil.
- Provides activity over a wide range of temperatures while functioning under both aerobic and facultative anaerobic conditions.
- Improves nutrient availability.

**APPLICATIONS:**

- Compost
- Plant health
- Nutrient availability
- Plant growth promotion
- Soil ecosystem balance
- Soil remediation
- Denitrification



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## Concentrate of Cellulolytic, Pectinolytic, and Proteolytic Bacteria that Accelerate the Composting of Plant and Animal Material

It is a wettable active ferment containing bacteria selected for their ability to degrade fibers, proteins, and vegetable fats at high speed. The diverse set of species allows synergistic activity on the most resistant molecules, ensuring faster and more complete composting. With a single application, the bacteria remain active in both mesophilic phases of the initial and final composting stages, as well as during the first thermophilic stage, up to 65 °C.

*A healthy and balanced soil allows crops to grow better, yield more fruits of higher quality, and prevents or mitigates the effect of most crop diseases.*

### SPEED

The product reduces composting time and eliminates bad odors by promoting aerobic degradation of the substrate.

Result: It allows the generation of a better compost product, regulates electrical conductivity through the incorporation of osmolytes into the cell, and reduces pathogenic microorganisms.

### COMPATIBILITY

For optimal effectiveness, it is recommended not to use this product together with other compost enhancers or disinfectant substances.

### APPLICATION METHOD

The product should be placed in water and stirred for at least 5 minutes, or until a homogeneous suspension is obtained. This suspension can be applied directly onto the compost pile. It is recommended to turn the pile afterward to ensure good distribution of the product within it. It is advisable to turn the pile once a week.

### STORAGE

The product is stable at temperatures below 50 °C for one year. Keep in a cool, dry place.

### DOSAGE

Substrate	Application
Agavaceae	300g/ TON
Bovine Manure	200g/ TON
Coffee Husk (Ruezno)	150g/ TON
Poultry Litter	350g/ TON
Swine Manure	400g/ TON

### PERCENTAGE COMPOSITION

Microbial composition (10 <sup>12</sup> CFU/g)	20%
Cofactors, natural coadjuvants, and vitamins	35%
Sugar mixture	25%
Amino acid mixture	10%
Yeast concentrate	10%

### PRECAUTIONS

Do not eat or smoke while handling the product. Use common-sense precautions. Keep out of reach of children. In case of allergic reactions, discontinue contact with the product and seek medical assistance.



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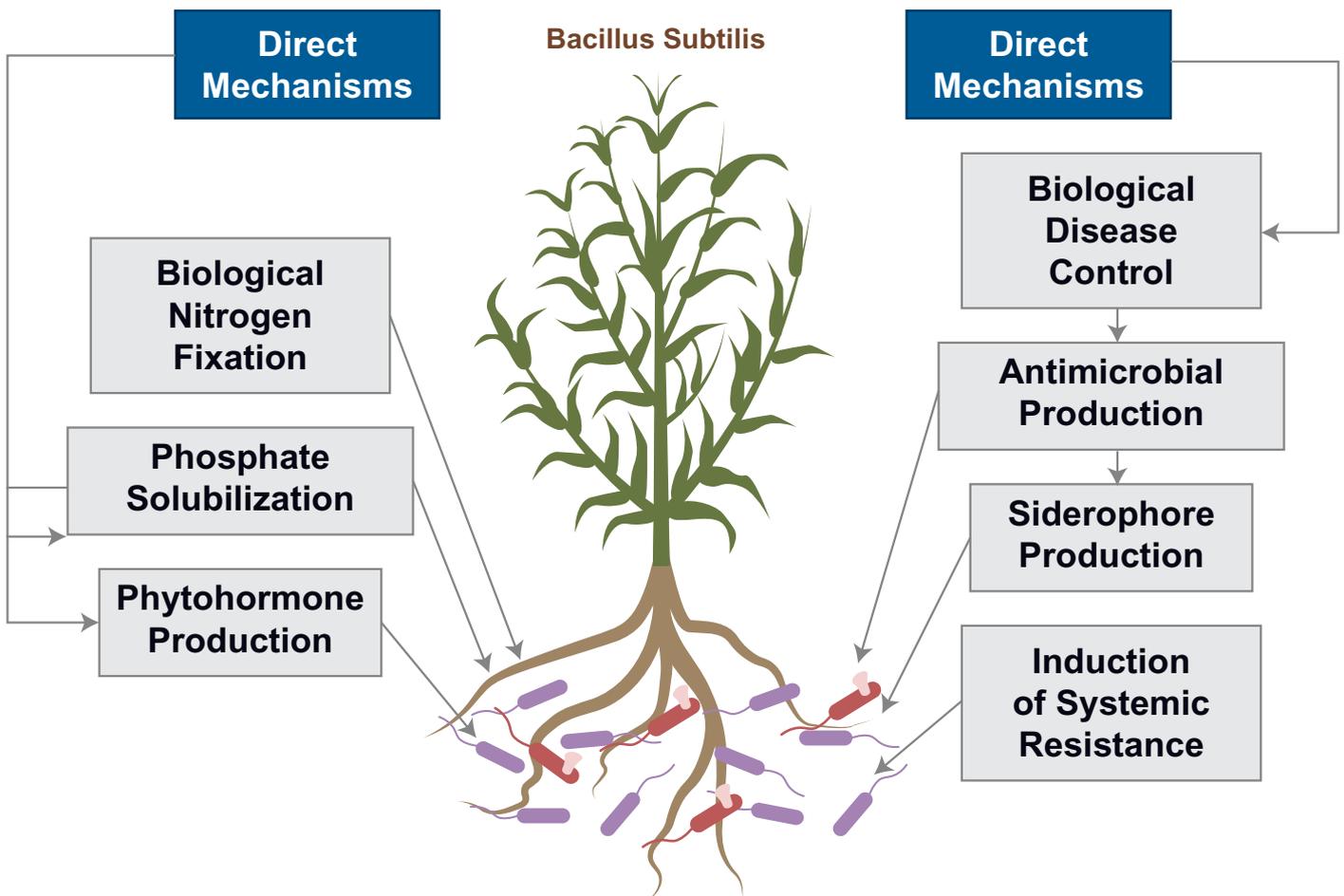
## Beneficial Bacteria: (Bacillus Subtilis)

Bacillus subtilis act as promoters of plant growth. They are capable of spreading through the rhizosphere, which is the environment that influences plant roots. This environment is highly competitive because it contains a wide range of nutrient-rich compounds released from root and tissue cells, mucilage, and soluble exudates from the roots.



### Benefits:

- Plant growth promoter
- Phosphate solubilizer
- Plant pathogen control
- Hormone production



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**SAFETY INTERVAL OR WITHDRAWAL PERIOD:** No safety interval is necessary between the last application and harvest. It leaves no residues, so no withdrawal period is required. Due to its characteristics as a non-toxic organic product, it has no negative impact on the environment. It is not harmful to operators or beneficial fauna.

**TOXICITY WARNINGS:** It is non-toxic for operators and crops where applied, but the following preventive measures are recommended:

- Do not eat, drink, or smoke while using the product.
- In case of eye contact, rinse thoroughly with plenty of water.
- Do not store this product with food or beverages.
- Do not dispose of waste or containers in streams, rivers, or ponds.
- In case of skin contact, wash with plenty of water and soap.
- This product only reacts upon contact with water.

#### FIRST AID

In case of ingestion, immediately drink 500 ml of milk and take the person to a doctor, showing the label. In case of skin contact, wash thoroughly with water and soap. If there was eye contact, immediately rinse eyes with clean water for at least 15 minutes.

#### ENVIRONMENTAL PROTECTION MEASURES

This product causes no ecological harm and may be discharged into soils, rivers, ponds, streams, dams, canals, or water reservoirs. However, it is recommended to dispose of packaging in waste collection sites in accordance with the General Law for the Prevention and Comprehensive Management of Waste.

#### STORAGE AND TRANSPORT CONDITIONS

Store this product in its original container, properly closed and labeled, in a secure and locked storage area. The place must be dry, cool, and well-ventilated. Non-toxic, food-grade product.

