

PGH



PLANT GROWTH & HEALTH

CARRIER

Maltodextrin

CONCENTRATION

4, 100 Billion CFU/g

PRODUCT CODE

ZH15-MSB0-01 / 100B

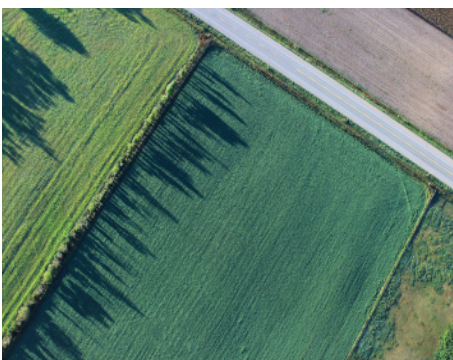
STORAGE & HANDLING

Dry and Cool (41-77°F/5-25°C)

Keep container closed tightly when not in use.

SHELF LIFE

Two years when stored as recommended.



Plant Growth & Health (PGH) provides a five (5) strain *Bacillus* blend targeting plant health and growth promotion. The *Bacillus* strains were chosen primarily for their wide array of enzyme production that helps to hydrolyze crude substrates in the soil, making the nutrients more available to the plant. The enzyme profile includes amylase, protease, xylanase, cellulase, lipase and esterase. Further, the product helps improve and maintain a more balanced microbial ecosystem in the soil. This *Bacillus* blend provides activities across a variety of temperatures while also functioning within aerobic and facultative anaerobic conditions.

Product Specifications

Microbiological Specifications

- Compliant with all FDA microbial standards for biological soil amendments

Physical Properties

- Color: White or Beige
- Form: Powder

Packaging

- Fiber Drum (50#/drum)

Application Guidelines

Optimization Considerations

	Range
pH Range	4.5-9.0
Temperature	68-104°F (20-40°C)

Usage Rates (4B)

Every application differs but commonly one pound (1.0lb) of product treats roughly 22 cubic yards or roughly 25 tons of soil (depending on moisture and density). Successful small pilot field studies are recommended with each plant species and soil type prior to mass application of product to avoid unknown plant or soil interactions.

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Plant Health & Growth (PGH) provides a five (5) strain *Bacillus* blend that targets plant health and growth promotion.

Key Features

- Five (5) strain *Bacillus* blend - GRAS
- **Food grade carrier**
- Aerobes/facultative anaerobes
- Safe for the environment, all natural, non-toxic
- Complementary strain product design
- Multiple enzyme producers
- Strain enzyme profile (amylase, protease, xylanase, cellulase, lipase, esterase)

Key Benefits

- Strain blend that enhances nutrient availability
- Improves soil and microbial ecosystem balance

Industrial Applications

- Plant Health
- Nutrient Availability
- Plant Growth Promotion
- Soil Ecosystem Balance
- Soil Remediation
- Denitrification

