BCP12™

Anaerobic Hydrolysis & Digestion Booster

BCP12™ is a specialized microbial formulation designed to enhance anaerobic hydrolysis and the biological breakdown of complex organic matter in sludge digesters and anaerobic wastewater treatment systems.

By supporting the initial stages of anaerobic digestion, BCP12™ helps improve organic matter availability for downstream microbial processes, contributing to overall digestion efficiency and supporting biogas production under suitable operating conditions.

Features & Benefits

- Enhances anaerobic hydrolysis and organic matter breakdown
- Helps liquefy accumulated grease and organic deposits
- Supports the digestion of fats, oils, grease, and other biodegradable organic materials
- Helps improve the performance of overloaded or recovering anaerobic systems
- Supports odor reduction and sludge stabilization
- May improve biogas production by supporting upstream biological digestion processes

Specifications

Color & Appearance	Beige powder with black and white granules
pH	6.0–7.5
Bacteria Count	5×10^9 CFU/g
Shelf Life	2 years

Storage

Store in a cool, dry location. Keep containers tightly closed, before and after opening, to prevent moisture absorption and exposure to direct sunlight. Please follow the recommendations and use the product before the best before date. Contact Bionetix® with questions. Avoid inhalation, eye contact, and prolonged skin contact. Wash hands thoroughly after handling.

Typical Applications

- Anaerobic sludge digesters
- Municipal and industrial anaerobic wastewater treatment
- Anaerobic lagoons
- Sludge hydrolysis and organic matter liquefaction
- Overloaded or recovering anaerobic digestion systems
- Anaerobic systems requiring improved digestion efficiency and biogas production support



Directions for Use

DOSAGE AND TREATMENT PLAN

For applicable wastewater treatment systems of 100 m^3 or greater, calculate the recommended dosage and generate a three-month treatment plan using the Bionetix® Wastewater Dosing Calculator: https://calculator.bionetix-international.com/

APPLICATION METHOD

Apply BCP12™ directly to the active anaerobic treatment system, either as a powder or pre-dispersed in water. Introduce the product at a well-mixed location to promote contact with sludge and biodegradable organic matter.

Maintain stable temperature, suitable pH, adequate mixing, and sufficient retention time under anaerobic conditions. Avoid excessive organic loading and sudden changes in operating conditions that may inhibit microbial activity.

APPLICATION BY TREATMENT SYSTEM

Anaerobic Sludge Digesters: Apply to the primary digester or sludge feed line to support hydrolysis and organic matter breakdown within the active digestion volume.

Anaerobic Lagoons: Apply near the influent or active treatment zones. Distribute across multiple locations where circulation is limited.

Industrial and Municipal Anaerobic Systems: Introduce into the active anaerobic treatment stage, following appropriate wastewater conditioning and organic loading control.

Overloaded or Recovering Digesters: Apply to the active digestion volume while monitoring pH, volatile fatty acids, and overall process stability. Consult Bionetix® Technical Support when biogas production has stopped or the digestion process is severely inhibited.

SYSTEMS BELOW 100 m^3

For treatment systems below 100 m^3, contact Bionetix® Technical Support for site-specific dosing recommendations.

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bionetix innovative biosolutions

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