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Attention: Editor

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PRESS RELEASE



Clear the FOG with Bionetix® BCP22™!

FOG means more than a low hanging mist or a state of mental confusion. In wastewater treatment, it stands for fats, oils, and greases. These waste materials tend to build up excessively in certain types of industrial wastewater, particularly effluent/influent from food-related industries. High levels of FOG produce bad odors, may cause wastewater plant upsets, and can make it difficult for industries to meet wastewater discharge standards, often resulting in surcharges. Bionetix® International makes it possible to bring FOG levels under control with BCP22™, a biological treatment for high grease applications.



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Benefits of BCP22™

BCP22™ is a blend of facultative anaerobic bacteria targeted specifically to digest FOG. BCP22™ accelerates the biological degradation of high FOG wastewaters, making it ideal for food industry applications. This helps lower sludge production, reduces unpleasant odors, and improves treatment



plant performance. As BCP22™ loosens and liquefies grease deposits, it makes it easier to clean away heavy buildup of fat in holding tanks, sewers, drains, and aeration basins. Since high FOG represents a higher biochemical oxygen demand (BOD) and a higher level of total suspended solids (TSS) in wastewater, BCP22™ can also be used to help reduce these levels in order for facilities to

meet acceptable discharge limits and avoid unwanted fines. These benefits translate into a wide range of possible applications:

- Restaurants
- Meat processing facilities
- Dairy industry
- Municipal wastewater treatment plants



When to Apply BCP22™

There are four main times to add BCP22™ to a waste system.

- 1) **FOG Overload:** The most obvious time to use BCP22™ is when a FOG overload occurs. This can be the case in a grease trap that is beginning to overflow or cause odor problems. It can also take the form of shock loading at a wastewater treatment plant when a sudden increase in high FOG influent is too much for the system to handle.
- 2) **Startup of a New Wastewater System:** It takes time to establish a healthy colony of naturally occurring microorganisms that are able to digest wastewater contaminants. Adding bioaugmentation products can significantly reduce the time needed to create biomass. In some cases, it is a cost-effective and more efficient alternative to the conventional approach of importing sludge from other wastewater treatment plants.
- 3) **Treatment After Shock:** BCP22™ rapidly restores biomass activity after shock to ensure a healthy system. This is most commonly needed after process interruption, planned shutdowns, pH excursions, and sudden loading of toxic compounds.
- 4) **Maintenance:** BCP22™ can also be used as a recurring maintenance dose in grease traps or wastewater treatment applications where a high load of FOG is expected and/or has caused past problems.

In all four cases, BCP22™ helps the system function effectively and efficiently by adding a boost of FOG-digesting microorganisms that can speed up the biodegradation process. For further assistance taking advantage of bioaugmentation with BCP22™, contact Bionetix® today:

<https://www.bionetix-international.com/contact-us/>

Learn more about BCP22™ here:

<https://www.bionetix-international.com/products/bcp22/>

Bionetix INTERNATIONAL

BCP22™
HIGH GREASE FOOD PROCESSING

FEATURES AND BENEFITS

- Improves performance of all
- Reduces BOD
- Reduces TSS
- Reduces odors
- Reduces grease
- Reduces sludge
- Reduces maintenance
- Reduces energy consumption
- Reduces chemical usage
- Reduces downtime
- Reduces risk of system failure
- Reduces risk of environmental damage
- Reduces risk of public health issues
- Reduces risk of regulatory fines
- Reduces risk of reputational damage
- Reduces risk of lost production
- Reduces risk of lost revenue
- Reduces risk of lost customers
- Reduces risk of lost market share
- Reduces risk of lost competitive advantage
- Reduces risk of lost market position
- Reduces risk of lost market leadership
- Reduces risk of lost market dominance
- Reduces risk of lost market control
- Reduces risk of lost market power
- Reduces risk of lost market influence
- Reduces risk of lost market authority
- Reduces risk of lost market respect
- Reduces risk of lost market admiration
- Reduces risk of lost market awe
- Reduces risk of lost market fear
- Reduces risk of lost market terror
- Reduces risk of lost market panic
- Reduces risk of lost market shock
- Reduces risk of lost market surprise
- Reduces risk of lost market disgust
- Reduces risk of lost market contempt
- Reduces risk of lost market scorn
- Reduces risk of lost market derision
- Reduces risk of lost market disdain
- Reduces risk of lost market contempt
- Reduces risk of lost market scorn
- Reduces risk of lost market derision
- Reduces risk of lost market disdain

PRODUCT DESCRIPTION

BCP22™ is a blend of aerobic and anaerobic microorganisms that are naturally adapted to digest FOG. It is a highly effective and safe product that can be used in all types of wastewater treatment systems. It is a natural and safe product that can be used in all types of wastewater treatment systems. It is a natural and safe product that can be used in all types of wastewater treatment systems.

TYPICAL APPLICATIONS

- Municipal and industrial wastewater treatment plants
- Food processing facilities (meat, dairy, etc.)
- Restaurants and food courts
- Oil refineries

SPECIFICATIONS

Description	White fine-grained powder with black granules
Stability	Max. time of 12 days
pH	6.0-8.5
Nutrient Content	Highly concentrated nutrients and vitamins
Operating Costs	1 billion per gram

APPLICATION INSTRUCTIONS

Add the water-soluble pouches directly to the system.

Flow Rate

Flow Rate	Initial Dosing	Maintenance**
Up to 200 m ³ /day	1 kg/week	0.5 kg/week
Up to 500 m ³ /day	1 kg/2 per week	1 kg/week
Up to 1,000 m ³ /day	1 kg every second day	1 kg/2 per week
Up to 2,000 m ³ /day	1 kg/day	1 kg/2 per week

Keywords: bioaugmentation, FOG, BOD, TSS, wastewater treatment, shock loading, grease trap cleaning, grease trap maintenance, grease trap overflow, dairy waste management, Bionetix, industrial wastewater, bakery waste management, meat processing, food industry, restaurant maintenance, plant upsets, fats oils and grease



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Bionetix® International is a Canadian-based company that produces biological products used in thousands of field applications worldwide. We promote a healthy environment by providing superior, environmentally friendly alternatives to current treatment methods. Our customers are able to clean and remediate contaminated systems or boost agricultural productivity in a cost-effective, natural, and non-intrusive way through the application of our biological products. Headquartered in Quebec, Canada; Bionetix International is a subsidiary of Cortec® Corporation. ISO 9001:2015 Certified.

Cortec® Corporation is the global leader in innovative, environmentally responsible VpCI® and MCI® corrosion control technologies for Packaging, Metalworking, Construction, Electronics, Water Treatment, Oil & Gas, and other industries. Our relentless dedication to sustainability, quality, service, and support is unmatched in the industry. Headquartered in St. Paul, Minnesota, Cortec® manufactures over 400 products distributed worldwide. ISO 9001, ISO 14001:2004, & ISO 17025 Certified. Cortec Website: <http://www.cortecvci.com> Phone: 1-800-426-7832 FAX: (651) 429-1122