

BCP22™

HIGH GREASE FOOD PROCESSING

FEATURES AND BENEFITS

- Improves treatment plant performance
- Reduces BOD
- Reduces grease buildup
- Reduces unpleasant odors associated with fatty wastes
- Improves sludge settling
- Reduces foam
- Cleans sewer lines
- Lowers sludge production
- Controls filamentous growth

PRODUCT DESCRIPTION

BCP22™ is a blend of aerobic and facultative anaerobic bacteria targeted specifically to digest FOG (fats, oils, greases). BCP22™ accelerates the biological degradation of high FOG wastewaters, making it ideal for food industry applications. This helps lower sludge production, prevent scum formation, reduce unpleasant odors, and improve 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. BCP22™ is ideal for use during FOG overload, startup of new wastewater systems, treatment after shock, and ongoing maintenance.



TYPICAL APPLICATIONS

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

SPECIFICATIONS

Description	Beige free-flowing powder with black granules
Stability	Max. loss of 1 log/yr
pH	6.0-8.5
Nutrient Content	Biological nutrients and stimulants
Bacteria Count	5 billion per gram

APPLICATION INSTRUCTIONS

Add the water-soluble pouches directly to the system.

Sewers

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

Treatment Plants

Flow Rate	Initial Dosage	Maintenance**
Up to 25 L/sec	15 kg*	0.25 kg/day
Up to 50 L/sec	25 kg*	0.5 kg/day
Up to 100 L/sec	50 kg*	1.0 kg/day
Up to 500 L/sec	50 kg/100 L/sec*	1 kg/100 L/sec/day
Up to 1,200 L/sec	50 kg/100 L/sec*	0.75 kg/100 L/sec/day
Up to 10,000 L/sec	30 kg/100 L/sec*	0.5 kg/100 L/sec/day

***Spread this initial dosage out over the course of 10 days.**
****Add as regularly as possible. If one day is missed, double the daily dosage the next day.**

Dosage rates will vary with flow rates, retention times, and system variations. The rates above are for a typical, well-maintained system.

Activated Sludge Systems

Activated sludge systems include various process flow sheets, e.g., extended aeration, contact stabilization, step aeration, oxygen activated sludge, SBR.

The application rate for all products is based on the average daily flow rate to the aeration basin, excluding the return sludge stream.

Trickling Filter and Rotating Biological Contactors

The application rate for all products is based on the average daily flow rate to the filter or contactor, excluding any recirculating process stream.

For further information about application, contact your Bionetix® technical representative.

CASE HISTORY

The sewage treatment system at a large city shopping center in Asia had a total capacity of 900 m³/day, with 180-200 m³/day coming from a food court area with a high concentration of FOG. The FOG value of influent had a range of 110-135 mg/L and the BOD value had a range of 640-980 mg/L. BCP22™ and BIOBLOC22™ were applied to the food court areas, and BCP655™ was added to the anoxic tank and MBBR (Moving Bed BioReactor) tank. Total FOG decreased 25-35%, and BOD fell to <50 mg/L.

PACKAGING & STORAGE

Available in bulk, water-soluble pouches (200 x 56 g, 400 x 28 g, 40 x 250 g), and custom packaging.

Store in a cool, dry location. Packaging must be kept intact, dry, and away from sunlight. Please follow the recommendations and use the product before the best before date. Contact Bionetix® with questions. Avoid inhalation and eye contact. Avoid excessive skin contact.

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