



## BCP22

HIGH GREASE FOOD  
PROCESSING

# BCP22 – A BLEND OF AEROBIC AND FACULTATIVE ANAEROBIC BACTERIA FOR USE IN TREATMENT OF FATS, OILS AND GREASES (FOG).

**Contains surface tension depressants and penetrants.**

### BIOAUGMENTATION WITH BCP22 CAN:

- Improve treatment plant performance;
- Reduce foam;
- Lower sludge production;
- Reduce grease build-up;
- Control filamentous growth.

The presence of a complex of amylases and lipases provides the capacity to degrade extra cellular polymers (which cause foaming) and suppress the growth of filamentous organisms.

### TYPICAL USES OF BCP22

- Start-up of aerobic biological treatment systems handling wastewaters from milk and food processing, and cheese making;
- Removal of grease deposits and prevention of scum formation in holding tanks, sewers, drains and aeration basins;
- Acceleration of the biological degradation of wastewaters containing high levels of fat, oils and greases (FOG);
- Reduction in the unpleasant odours associated with treatment plants handling fatty wastes.

### SPECIFICATIONS

Description	Tan color, free-flowing granular powder
Packaging	250g water-soluble packages; 10kg plastic pail
Stability	Max. loss of 1 log/yr
pH	6.0 - 8.5
Bulk Density	0.5 - 0.6g/cm <sup>3</sup>
Moisture Content	15%
Nutrient Content	Biological nutrients and stimulants
Bacteria Count	5 billion per gram
Storage and Handling	DO NOT FREEZE! Store in a cool dry location. Do not inhale dust. Avoid excessive skin contact. See MSDS.



**BEFORE**



**AFTER**

**LOOSENS AND  
LIQUIFIES HEAVY  
GREASE DEPOSITS**

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**APPLICATION INSTRUCTIONS**

Add the water-soluble pouches directly to the system.

**Sewers –**

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