



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 - 0.61g/cm ³ |
| 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 ³ /day | 1 kg/week | 0.5kg/week |
| Up to 500m ³ /day | 1 kg/2x per week | 1 kg/week |
| Up to 1,000m ³ /day | 1 kg every second day | 1 kg/2x per week |
| Up to 2,000m 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.