

BCP-EU-FB™

MULTISPORE BACTERIA/FUNGI BLEND

PRODUCT DESCRIPTION

BCP-EU-FB™ is a blend of fungi and bacillus spore organisms effective in degrading many types of cellulosic and other wastes. BCP-EU-FB™ breaks down lignin and cellulose fibers and prevents malodorous conditions. It also reduces BOD and COD, suspended solids, and organic sludge on the bottom of ponds.

PACKAGING AND 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.



FEATURES AND BENEFITS

- Helps oxidize and reduce malodorous compounds
- Speeds up biodegradation, even at low oxygen levels
- Acts quickly because of synergistic effect of fungi, bacteria, and enzymes
- Reduces sludge production
- Reduces foaming
- Introduces extremely active microorganisms for startup and/or repopulation of biomass in the purifying plant and to help avoid development of algae and superior organisms

TYPICAL APPLICATIONS

- Wastewater lagoons
- Aerobic digesters
- SBRs (sequencing batch reactors)
- MBBRs (moving bed biofilm reactors)

SPECIFICATIONS

Description	Beige free-flowing powder
Fragrance	Earthy
Stability	Max. loss of 1 log/yr
pH (1% Solution)	6.5-8.5
Bacteria Count	1 billion CFU/g, custom concentrations available

APPLICATION INSTRUCTIONS

Treatment Plants –

Flow Rate	Initial Dosage	Maintenance**
Up to 0.1 L/sec	0.5 kg/day for 3 days	0.5 kg/week
Up to 0.5 L/sec	0.5 kg/day for 3 days	1.0 kg/week
Up to 2 L/sec	5 kg*	1.5 kg/week
Up to 5 L/sec	8 kg*	2.0 kg/week
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*	1.0 kg/100 L/sec/day
Up to 1,200 L/sec	50 kg/100 L/sec*	1.0 kg/100 L/sec/day
Up to 10,000 L/sec	50 kg/100 L/sec*	1.0 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.

Lagoon Systems –

- **Aerated systems** – Application rate is based on the average flow rate to the lagoon.
- **Facultative systems** – Application rate is based on the lagoon surface area:

Day 1-5	20 kg/10,000 m ² /day
Day 6+	2 kg/10,000 m ² /week

- **Anaerobic systems** – Application rate is based on the total volume of the anaerobic lagoon:

<200,000 L	1 kg – 2x/week/10,000 L
>200,000 L	0.5 kg – 1x/day/10,000 L

- **Lagoons in cold climates** – Commence program when the water temperature is at least 10 °C (50 °F). For application at temperatures below 10 °C (50 °F), contact your Bionetix® technical representative.

For seasonal or widely fluctuating flows, contact your Bionetix® technical representative.

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