

BCP54™

FISH FARM BIOAUGMENTATION

PRODUCT DESCRIPTION

BCP54™ is designed to improve water quality in decorative ponds and aquaculture applications such as fish and shrimp farms. It biodegrades organic residues such as proteins, fats, and carbohydrates and helps improve effluent quality by reducing organic waste, sludge, pH, odors, ammonia, and various toxins. BCP54™ also reduces excessive nutrients such as nitrogen and phosphorus, thus counteracting the nutrient pollution that leads to algae growth. BCP54™ will work at low oxygen levels since it contains both aerobic and facultative anaerobic bacteria.

PACKAGING & STORAGE

Available in bulk, water-soluble pouches (200 x 56 g, 400 x 28 g, 40 x 250 g), water-soluble tablets (2,000 x 5 g per 10 kg plastic pail), 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

- Increases yield in fish and shrimp farms
- Lowers pH
- Reduces sludge and odors
- Improves effluent quality and water clarity
- Reduces ammonia, H₂S, and other toxins
- Breaks down organic matter at the bottom of the pond (fecal matter, unused food, shrimp carcasses, etc.) and makes cleanout easier
- Controls nutrient pollution to compete with surface algae
- Prevents off-flavors and off-odors

TYPICAL APPLICATIONS

- Ornamental ponds
- Fish and shrimp farms (pisciculture and aquaculture)

SPECIFICATIONS

	BCP54™	BCP54-20B™	BCP54T™
Description	Beige, free-flowing granular powder	Beige, free-flowing granular powder	Off-white tablets
Bulk Density	0.6-0.75 g/cm ³	0.6-0.75 g/cm ³	n/a
Stability	Max. loss of 1 log/yr	Max. loss of 1 log/yr	Max. loss of 1 log/yr
pH (1% solution)	9.0-10.5	9.0-10.5	6.0-8.5
Nutrient Content	Biological nutrients and stimulants	Biological nutrients and stimulants	Biological nutrients and stimulants
Enzymes Present	Amylase, lipase, cellulase, protease	Amylase, lipase, cellulase, protease	Amylase, lipase, cellulase, protease
Bacteria Count	5 billion CFU/g	20 billion CFU/g	2 billion CFU/g

APPLICATION INSTRUCTIONS

Maintaining the clarity of fish farms is often difficult, especially in warm weather, due to excess suspended solids. This can be a commercial as well as an aesthetic problem when aerated ponds are used for fish farming. Bioaugmentation will reduce cloudiness and promote settling of suspended solids. BCP54™ will work at low oxygen levels since it contains both aerobic and facultative anaerobic bacteria.

Lagoon Systems –

- *Facultative and aerobic systems* – application rate is based on the lagoon surface area:

	BCP54™ (powder)	BCP54-20B™ (powder)	BCP54T™ (tablet)
Day 1-5	20 kg/ 10,000 m ² / day	2.5 kg/ 5,000 m ² / day	40 tablets/ 100 m ² / day
Day 6+	2 kg/ 10,000 m ² / week	0.5 kg/ 5,000 m ² / day	40 tablets/ 100 m ² / week

- *Lagoons in cold climates* – commence program when the water temperature is at least 11 °C (50 °F)

BCP54™ can depress dissolved oxygen levels initially, especially in ponds or lagoons with high organic content.

BCP54™ competes with algae and plant growth for nutrients, thus promoting better water clarity.

For individual consultation about your system, contact your BIONETIX® technical representative.

TESTIMONIAL

During April I had an algal bloom and suspended solids the like of which I have never seen before. The problem was so serious that the season was probably going to be lost. I used BCP54™ throughout May with some effect, but with the warm weather at the beginning of June it went backwards. I increased the dosage and by the end of the month my water was clean. July with its high temperatures filled me with concern, but I need not have worried. At the time of writing my water is still gin clear. In fact, throughout July the lake fished better than I have ever seen before in such temperatures. Another plus . . . my fish mortality rates have dropped by at least 60%.

Neil Johnson

Llyn Edna Fly Fishing
Holyhead, Wales

The information presented in this Product Sheet is believed to be reliable. This information is provided as representative only and there are no warranties, expressed or implied, regarding its performance. Since neither distributor nor manufacturer has any control over handling, storage, use, or application conditions, they are not responsible for any claims, liabilities, damages, costs, or expenses of any kind arising out of or in any way connected with the handling, storage, or use of the product described. ISSUED DATE: 04/08/22. SUPERCEDES: 03/07/17.

