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PRODUCT RELEASE



Bionetix® International Introduces Natural and Economical Approach to Enhancing Water Clarity

Water clarity is an important part of water quality. It impacts the health of plants and fish and affects the appearance of recreational waterways. Good water quality is challenged by the natural buildup of decaying plant and fecal matter, which increases TSS (total suspended solids) and organic sludge. It is also threatened by nutrient rich waters from agricultural and municipal runoff. This “nutrient pollution”



from excess nitrogen and phosphorus creates a prime environment for the growth of algae. Buildup of organic matter and excess nutrients can result in turbid waters, toxic overloads, bad odors, low dissolved oxygen levels, and fish and plant die-off.



Bionetix® International has introduced a natural solution to enhancing water clarity through the use of Aquaclar. This all-natural bioaugmentation treatment contains non-pathogenic bacteria that digest organic waste and “eat” the same nutrients responsible for nutrient pollution. Aquaclar also lowers toxicity by allowing sequestration of heavy metals and ammonia that could be detrimental to

aquatic life. Aquaclar is easy to use, safe for humans and wild animals, and creates a beneficial environment for fish.

Bioaugmentation with Aquaclar can accomplish many water quality tasks:

- Reduce BOD and COD
- Break down fecal and other organic waste in water
- Maintain clarity
- Reduce ammonia and other toxins
- Reduce TSS and organic sludge
- Prevent malodors
- Reduce nutrient pollution
- Remove nitrogen
- Increase dissolved oxygen levels

Aquaclar is a tan powder that contains a multi-purpose high-count bacteria/enzyme blend in a mineral porous carrier. As a natural bioaugmentation treatment, it supplies an extra dose of “good” bacteria that perform healthy biodegradation functions in the water. These bacteria carry out their basic metabolic activities by using enzymes to break apart and digest contaminants, in effect “eating” up the organic waste and excess nutrients that hinder water clarity.



ECONOMICAL APPROACH TO MANAGING WASTE, ENHANCING WATER CLARIFICATION, AND COMPETING WITH ALGAE

| BIOAUGMENTATION WITH AQUACLAR CAN: | SPECIFICATIONS | | | | | | | | | | | | | | | | |
|---|---|----------------------|---|-----------|---|-----------|--------------|----------|--------------------|-------|------|------------------|-------------------------------------|----------------|--------------------------------------|-----------------|-------------------------------------|
| <ul style="list-style-type: none"> • Reduce BOD and COD • Break down fecal and other organic waste in water • Maintain clarity • Reduce ammonia and other toxins • Reduce TSS and organic sludge • Prevent malodors • Control algae • Control nitrogen | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Generation</td> <td>1st Generation</td> </tr> <tr> <td>Packaging</td> <td>25kg white HDPE buckets (250 x 110 x 110mm) and 10kg white HDPE buckets (250 x 110 x 110mm)</td> </tr> <tr> <td>Substrate</td> <td>100% Organic</td> </tr> <tr> <td>Moisture</td> <td>Max. 10% of weight</td> </tr> <tr> <td>Odour</td> <td>None</td> </tr> <tr> <td>Nutrient Content</td> <td>Biological nutrients and stimulants</td> </tr> <tr> <td>Enzyme Present</td> <td>Protease, amylase, cellulase, lipase</td> </tr> <tr> <td>Microbial Count</td> <td>10¹⁰ CFU/g (dry weight)</td> </tr> </table> | Generation | 1st Generation | Packaging | 25kg white HDPE buckets (250 x 110 x 110mm) and 10kg white HDPE buckets (250 x 110 x 110mm) | Substrate | 100% Organic | Moisture | Max. 10% of weight | Odour | None | Nutrient Content | Biological nutrients and stimulants | Enzyme Present | Protease, amylase, cellulase, lipase | Microbial Count | 10 ¹⁰ CFU/g (dry weight) |
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| Microbial Count | 10 ¹⁰ CFU/g (dry weight) | | | | | | | | | | | | | | | | |
| <p>PRODUCT DESCRIPTION</p> <p>Aquaclar is an all-natural, ready-to-use product that is safe for humans and beneficial for fish and wild animals. It is an economical and effective way to keep water in biological systems, improve water clarity, and compete with algae growth.</p> <p>Aquaclar contains a multipurpose high-count bacterial/enzyme blend in a mineral porous carrier. Its non-pathogenic bacteria improve water clarity by consuming the toxins that cause algae growth. Aquaclar also lowers toxicity by allowing sequestration of heavy metals and ammonia. The product is very easy to use and may be handled without danger.</p> <p>Aquaclar can be used in different applications:</p> <ul style="list-style-type: none"> • Ponds and tanks • Fish farms • Lagoons • Small lakes | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Storage and handling</td> <td>DO NOT FREEZE! Store in a cool dry location. Do not mix with ammonia or other chemicals. Use 100% bio-safe! Will not be safe if mixed with other chemicals after 2 months of storage.</td> </tr> </table> | Storage and handling | DO NOT FREEZE! Store in a cool dry location. Do not mix with ammonia or other chemicals. Use 100% bio-safe! Will not be safe if mixed with other chemicals after 2 months of storage. | | | | | | | | | | | | | | |
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We work for nature

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Aquaclar can be added to both facultative and anaerobic systems and can be used to improve the water clarity of ponds, lagoons, small lakes, canals, and fish farms. It is an economical and effective way to keep water in ecological balance, improve water clarity, and create an environment that reduces nutrient pollution!

To learn more about Aquaclar, please visit:

http://bionetix-international.com/products/industrialwaste/AQUACLAR_PDS_ENG.pdf

To learn more about Bionetix® products, please visit:

<http://www.bionetix-international.com/>

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Bionetix® International produces biological waste treatment products that are used in thousands of field applications worldwide. The Biological Series of products—among the earliest products introduced by Bionetix Canada – can be found in countless food preparation and processing locations in the United States, Europe, South America, and Asia. Numerous municipalities around the world have accepted these products. Headquartered in Quebec, Canada; Bionetix International is a subsidiary of Cortec® Corporation. ISO 9001:2000 Certified.

Cortec® Corporation is the global leader in innovative, environmentally responsible VpCI® and MCI® corrosion control technologies for Packaging, Metalworking, Construction, Electronics, Water Treatment, Oil & Gas, and other industries. Our relentless dedication to sustainability, quality, service, and support is unmatched in the industry. Headquartered in St. Paul, Minnesota, Cortec® manufactures over 400 products distributed worldwide. ISO 9001, ISO 14001:2004, & ISO 17025 Certified.

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