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**Attention: Editor**  
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**PRODUCT RELEASE**



## **Enhancing Wastewater Treatment and Soil Bioremediation with Bionetix® Macronutrients**

Bionetix® International offers many different options in its natural bioremediation tool kit. These include microorganisms that degrade soil and wastewater pollutants into harmless byproducts, biosurfactants that disperse pollutants for easier absorption by helpful bacteria, and biostimulants that promote the growth of microorganisms for speedier degradation.



One biostimulant is Bionetix® International's Macro N/P, a free-flowing powder with the optimal 5:1 nitrogen/phosphorus ratio for nourishing helpful bacteria in wastewater. Though it may be

surprising, nutrition is an integral part of waste bioremediation. All organisms require major nutrients for cellular growth, metabolic activity (including enzyme biosynthesis and activation), energy production, and storage. Unfortunately for waste treatment facilities or oil spill cleanup crews, two key macronutrients—nitrogen and phosphorus—are often deficient in wastewater and soil. This makes it more difficult for helpful microorganisms to flourish and accomplish natural bioremediation.



Bionetix® International offers a solution to nutrient-deficient soil and wastewater with its Macro N/P blend of nitrogen and phosphorus. This combination of macronutrients enhances biological wastewater treatment processes and soil bioremediation by helping existing bacteria, including those introduced as supplements, to grow, reproduce, and stimulate the bioremediation cycle. The addition of Macro N/P nutrients can prove useful in many different applications:

- Environmental Cleanup – Bioremediation
- Soil Reclamation
- Groundwater Treatment
- Oil Spill Cleanup
- Wastewater Treatment
- Sludge and Manure Treatment
- Lagoons and Ponds



By using bioremediation techniques such as the addition of Macro N/P, waste treatment and reclamation crews can speed environmental cleanup without the use of harmful chemicals.

Bionetix® International's approach of simply harnessing the natural power of nutrients, biosurfactants, and microorganisms can go a long way toward promoting a cleaner environment for everyone!

To learn more about Bionetix® innovative 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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