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PRESS RELEASE



Bionetix® ECP 57 – Enzyme Blend for Complex Grains and Woody Material Breakdown!

Bionetix® has revolutionized the industry by creating a powerful synergistic blend of enzymes that are specialized in targeting complex grains and woody materials. High in complex molecules, a pre-treatment with ECP 57 can enhance the anaerobic digestion of secondary sludge, yielding a higher methane yield to decrease the viscosity of xylans,



arabinoxylans and β -glucans from wheat, barley, and other small complex grains as well as organic woody materials such as cellulose fibers found in pulp and paper sludge. ECP 57 breaks down complex carbohydrates within plant cell walls to increase utilization of those grains and reduce total production costs.



Bionetix® ECP 57 is a non-hazardous, food grade and kosher certified, concentrated powder acid-neutral endobeta endo-beta-1,3-1,4 glucanase/cellulase/Xylanase product enzyme blend, extracted from *Trichoderma longibrachiatum* (formerly *Trichoderma reesei*). Products of this origin are used worldwide as processing aids in baking, starch-gluten separation, alcohol fermentation, and animal feed. For its use in animal feed, ECP 57 can aid in the solubilisation of complex small grains, which will reduce starch utilization.

The features of this product:

- Decrease the viscosity of xylans, arabinoxylans, and β -glucans from wheat, barley, and other small complex grains.
- Break down complex carbohydrates within plant cell walls to increase utilization of wheat, barley, and other small complex grains.
- Include higher rates of lower quality, lower cost grains to reduce total costs.
- Increase methane yield in anaerobic digestion of pulp and paper sludge.



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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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