

BNB-931 Bioremediation Nutrient Blend

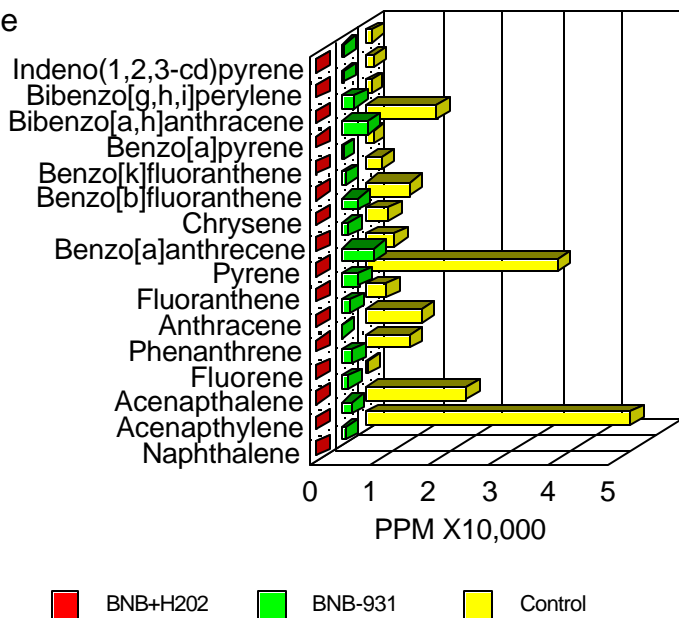
Clean Up Hazardous Wastes Faster

Westbridge's BNB product line is a proprietary blend of organic and inorganic nutrients designed to enhance the growth and activity of microorganisms that degrade toxic organic chemicals. BNB is designed to build up communities of organisms that will attack toxic chemicals at the various stages of their decomposition pathways, providing faster more efficient cleanup.

Westbridge's BNB products can be used in contaminated soils, sludges, lagoons, ponds and bioreactors.

BNB proprietary formulas provide the following benefits:

- ◆ Electron donors and acceptors to aid organisms under oxygen poor conditions.
- ◆ Co-metabolites to provide an energy source during initial stages of decomposition and to build up extra-cellular enzymes.
- ◆ Agents to help strip the toxic chemicals from soil particles.
- ◆ Substrates to build up microbial populations capable of degrading complex chemicals.
- ◆ All of the inorganic nutrients essential for microbial growth.



Steel mill coke waste with an initial total PAH concentration of >64,000 ppm was incubated for 21 days at 30% moisture. BNB-931 was applied at a rate of 1000 ppm. H₂O₂ was applied at 1%. The above data are the means of two replicates.

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