

Macronutrient Bacterial Booster



Product Description

BioBug SNP is designed to provide the essential main nutrient to supplement bacteria's basic metabolic needs in both the aerobic and anaerobic environments. It is a formulated blend of readily available nutrient source that stimulate bacterial growth in a biological wastewater treatment facilities. The exact ratio in the formulation of BioBug SNP is to facilitate the predominance of bacteria population which is most desirable for biodegrading wastewater. BioBug SNP accelerates natural processes and dramatically increases the quality of wastewater by gradually shifting the condition towards a healthy and superior population.

In many cases, the concentration of critical nutrients in an existing wastewater is insufficient or not in a usable form for microorganisms to maintain microbial cell synthesis and growth. BioBug SNP provides the ingredients required for amino acid pyrimidine biosynthesis. These nutrients will also be utilized by microorganisms primarily to synthesize phospholipids and nucleic acids (DNA and RNA). The lack of require nutrients are typically the limiting factor in the treatment.

With BioBug SNP, the biological pathways are no longer inhibited due to the lack of essential nutrients. Biological activity, growth and metabolism will substantially increase. BioBug SNP must be added on a regular established schedule to provide enough food sources to increase and sustain bacterial activity.

Application Instructions

Application rates can be provided by a qualified BIO-SYSTEMS Waste Water Specialist. Application rates and locations depend on plant type, type of deposits and wastes existing in the treatment operations and current biological conditions.

Benefits of BioBug SNP:

- Stabilize biological populations in toxic and nutrient deficient conditions
- Reduce plant sensitivity to events which may otherwise cause upset
- Aids for smooth plant start up
- Control foaming and bulking caused by nutrient deficient conditions
- Works in aerobic and anaerobic environments



Case History 818

A Petrol Refinery Plant with nutrient deficient problem in their bio-plant uses BioBug SNP formulation allowing bugs population to grow, dramatically improving plant operation.

Specifications

Form:	Free-flowing granular powder
Color:	Off white
Specific Gravity:	1.03

Packaging

30 kilos per drum.

Storage

DO NOT FREEZE! Store in a cool dry location. Do not inhale dusts, avoid excessive skin contact. SEE M.S.D.S.

In addition to macronutrients, inorganic nutrients such as potassium, calcium, magnesium, iron, zinc, copper, cobalt, manganese, molybdenum, etc are equally important. These trace elements are essential co-enzymes, required in the microorganism biosynthesis pathway. Other essential growth factors that must be present are amino acids, vitamins and enzymes. All these trace elements are available in our specialized BioBug MN micronutrients supplement.

Your local Distributor is:

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