BI-3608AN

Microbial Blend for Use with Municipal and Industrial Anaerobic Digesters and Facultative Lagoons

Description

BI-3608AN is a synergistic blend of selectively adapted bacteria for optimizing anaerobic digesters. **BI-3608AN** is especially beneficial to digesters experiencing heavy grease loadings, poor mixing, short solid retention times, low temperatures, or variable organic loadings. These conditions work against optimum efficiency of the complex microbial populations found with a digester.

BRIGHTON INDUSTRIES cultures have been selectively adapted to achieve higher growth rates through enhanced substrate utilization. This results in improved kinetics of the complex biochemical reactions responsible for the degradation or organic acids for more efficient utilization by gas producing bacterial populations. Optimization results in increased production of intermediate volatile organic acids for more efficient utilization by gas producing bacterial populations.

Application

- SBRs (Sequencing Batch Reactors)
- RBCs (Rotating Biological Contractors)
- Anaerobic Digesters
- Holding Tanks
- Trickle Filters
- Facultative Lagoons

Benefits

- Eliminate digester grease mats by degradation of both incoming oil & grease and previously formed mats contributing to inefficient mixing and poor temperature control.
- Increase the stability of digester operation by providing a continuous source of highly facultative cultures. this helps eliminate the impact of loadings fluctuations common to most digester feed conditions.
- Improve methane gas production by increasing the availability of intermediate organic acids utilized by the methanogens.
- Reduce volatile solids concentration of digested sludge by allowing for increased metabolic activity through greater bacterial populations.
- Accelerate recovery of digesters subject to bacterial population upset due to operational or inhibitory problems.

brighton industries inc.
1500 S. WESTERN AVENUE • CHICAGO, ILLINOIS 60608 • 312-666-6601 • FAX 312-666-6602