SolEco
Solutions Ecologique

Bacteria/Microbial - Rapid Growth Enhancement

by the utilization of a kelp flour and water based solution.

The use of biologically based, naturally occurring enhancement agents for promotion of rapid development of overwhelming or extremely large numbers of bacteria in certain water/effluent treatment circumstances has beneficial impact on these various systems, where microbial action is an essential element for processes of one type or another. **SOLUTEK** achieves this outcome by fixing certain substances to the walls of naturally occurring bacteria that instructs such bacteria to massively recreate themselves.

Bio generation of methane.

Bio generators operate on the efficient use of bacteria to digest various feedstocks over a typical seven to nine day cycle at varying percentages of gas production per kilogram of feedstock.
Bio digesters invariably attempt to shorten the production cycle and increase the yield of gas.
By the use of a biological enhancement agent for promotion and rapid development of bacteria both of these aims are successfully achieved.

Soil Rejuvenation - Clay Soil Improvement.

Microbial action in soil is universally recognised as essential for soil fertility, water fixation and catalytic processes that are necessary for retention of water and the uptake of various nutrients. Microbial action further assist the development of beneficial soil fungi.
By enhancing the breakdown of naturally occurring humus in clay silks the friability of such silks is increased and productivity of soils in enhanced.

General Effluent.

Biologicals, the use of bacteria and enzymes is the way of the future for the complete or substantially partial treatment of all effluent.
The increase in naturally occurring bacteria and micro biota in systems is the highly preferred way to proceed with clean up of nitrates, phosphates, petrochemicals and any other type of effluent contamination with the exceptions of heavy metal contamination.

AQUACULTURE.

The use of biological and fully organic solutions is becoming more prevalent in the aquaculture segment of food production.
Enclosure and pond production of fish, shrimp and aquatic animals invariably provides an environment that is suitable for algae to thrive, pollution by fish/animal excreta and uneaten food and the numerous fungal infections that can be deadly.
Enhancement of naturally occurring micro biota and bacteria solve all of these problems.

SOLUTEK is one hundred percent (100%) fully organic and biodegradable.

SOLUTEK is produced by a proprietary secret process from primarily kelp flour that is processed to give a solution that is water based and therefore extremely safe to handle and use in every circumstance.

SOLUTEK is mixed with effluent at various proportions depending on the type of effluent in question.

Typical rates for all types of manure and human sewage are 10ppm/12ppm.
For slaughter house/abattoir waste the dosage rate may be as high as 16ppm to 25ppm.
When used for the development of microbial actions in soil the initial rate is 5ppom reducing to 3ppm for continuous usage.
For use in bio digesters the recommended rate is 10ppm.
SOLUTEK is further used for water clarification and removal of algae contamination. Such use has a side benefit if the removal of mosquitoes.
SOLUTEK when used in aquaculture is started at 10ppm for 30 days and then reduced to 8ppm long term.