

<b>Enhanced Fish and Mollusk Growth</b>
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**Abstract**

Larger and meatier fish, grown and harvested inexpensively, could be used to combat worldwide hunger and improve the welfare of human society. GBI has developed an all-natural process for enhancing fish growth and size by introducing an alkane, with emphasis on butane, into water containing a fish population.

**Background**

Butane can be used to enhance the growth of a wide variety of plant and animal organisms in aqueous environments such as fresh water and salt-water environments. By enhancing the entire ecosystem, organisms in a symbiotic relationship directly accrue the benefits of the enhancement. Thus, butane enhances the microbial populations in an ecosystem, such as fungi, algae, phytoplankton, zooplankton, and protists, as well as other microscopic and macroscopic organisms. Butane stimulates the growth of organisms at the bottom of the food chain, creating a chain reaction of increased food source and opportunity for growth in numbers throughout the food chain. The addition of butane turns a fresh water or salt water environment into a nutrient-rich soup. This is especially important for filter-feeders such as mollusks and the like.

Many types of bacteria colonize fish scales and gills. These bacteria play a role in the maintenance of good health. If the microbial population is disturbed, or pathogenic microorganisms take hold, the overall health of the fish is jeopardized. During laboratory bench-scale studies conducted by Global BioSciences, Inc. [ ], butane stimulated a variety of helpful organisms while showing no harmful effects to the ecosystems tested.

In low doses, butane has an effect on fish that stimulates an increase in appetite. The increase in appetite also results in a larger consumption of food and, consequently, faster and larger growth. Enhanced fish growth through butane biostimulation may become an acceptable alternative to genetic alteration.

**References**

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One or more U.S. Patents Pending.