

Enhanced Plant Growth

Abstract

Global BioSciences, Inc. has pioneered a novel method of enhancing plant growth by introducing butane near the root zone of a growing plant or adjacent to a germinating seed. The butane substrate stimulates the growth of butane-utilizing bacteria.

Background

Butane enrichment increases the amount of heterotrophic bacteria growing at the root zone, thereby accelerating heterotrophic nitrification processes. Butane-utilizing bacteria fix nitrogen. The butane substrate can also stimulate the growth of butane-utilizing fungi, protists and/or prokaryotes.

Butane enrichment increases the indigenous microbial populations in soil within the region of plant growth – the rhizosphere. This increase in microbial populations provides direct benefits such as increased nutrient uptake, faster root development, and reduced heat, drought and cold stress, as well as accelerated root development and stimulation of plant growth.

Buteful Gro[®] and Buteful Lawn[®]

Global BioSciences, Inc. will soon unveil two new product lines, Buteful Gro[®] and Buteful Lawn[®] for enhancing the growth of potted plants, flowering plants and lawns.

References

One or more U.S. Patents Pending.