

Bio fertilizer as an Alternative for Farming

Background

The impact of climate change and poor soil health management is devastating the small scale farmers crop production system. This results in crop failure due to soil degradation, erosion and frequent farming of same crops.

Soil health and management are essential for crop production and high yield. Studies at the Centre for Biotechnology and Bioinformatics have demonstrated that soil management strategies can improve crop production by 90%. The approaches include:

- Use of organic fertilizer
- Use of chemical fertilizer
- Use of bio fertilizer

Methodology

The natural soil microbial has been isolated and characterized for use as a natural bio fertilizer as shown below in illustration.