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b-green fertilizer

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The use of chemical fertilizers increases environmental problems such as eutrophication and global warming. Demand for safe environment urges novel microbes to be used in large scale for fertilizer management as well as plant growth promotion. B-Green Biofertilizer compost consists of multi strain nitrogen (N)-fixing bacteria and phosphate (P)-solubilizing bacteria isolated from tropical soils of Malaysia. It helps to supply important nutrients and improve plant growth through the microbial activities. Application of B-Green stimulates root development leading to efficient uptake of nutrients from soil for improved plant growth and yield. The product fixes N from atmosphere and supply N for plant growth, produces phytohormones such as indole acetic acid to promote root formation for efficient nutrient uptake, and enzymes such as phosphatase that helps to mineralize organic P and organic acids that solubilize insoluble P making P more available for plant growth and yield. B-Green application reduces the usage of chemical fertilizers containing N and P by 25-30%. As a result, it reduces environmental pollution caused by leaching of excessive use of the fertilizers. It is safe for human handling and safe for the soil community. It can be applied to many types of crops and in different soils.

