

Application of Life Sciences to Improve the Natural Resources Usage for Plant Growth

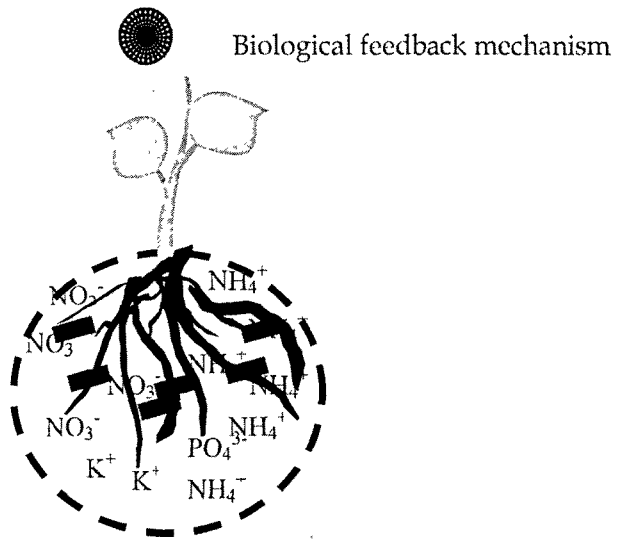
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SustainGro fertilizing system and WonderTreat are biotechnology products formulated by CK Life Sciences and Biomatrix. They are based on the use of groups of selected and activated beneficial microbes for the production of fertilizers or treatment of wastes (solid waste and waste water). In the case of SustainGro fertilizing system, the microbes are blended with compost and formed into pellets of organic fertilizer, Eco-Alive. As for WonderTreat, the microbes are used for composting and waste water treatment. Application of Eco-Alive and WonderTreat will improve the natural resources usage for plant growth.

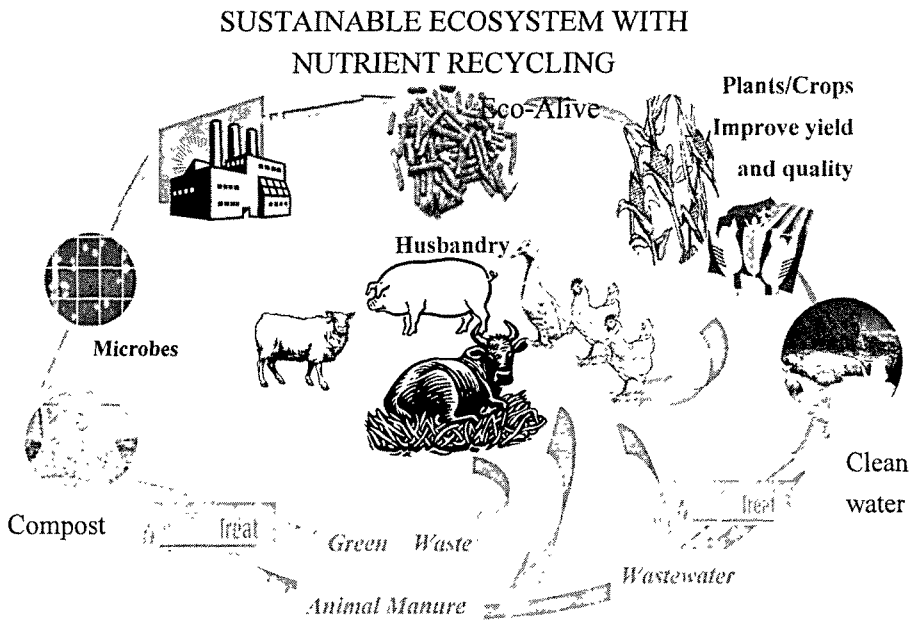
SustainGro fertilizing system can supply plants the balanced nutrients (major elements – Nitrogen or N, Potassium or K and Phosphorus or P), which are essential to plant growth, for as long as 180 days or case in point, the growing season of the crop. It increases plant health by making it less disease prone, rapid growth with a strong roots system (meaning shorter period to maturity), and gives higher yield and better quality. It also helps retaining moisture in the soil and greatly improves soil condition. The robust microbes based fertilizing system in addition lowers the labour cost, by reduces the frequency of continue fertilizing and therefore a reduction of overall fertilizer application cost in comparison to chemical fertilizers or other organic fertilizers.

How Eco-Alive works is after broadcasting into the soil coupled with compost, and once the microbes are activated by water, it fixes nitrogen from the air (nitrogen fixation via a chemical reduction process), decomposes insoluble nitrogen, phosphate and potassium from the soil to supply plant growth. However, these microbes only produce sufficient amount of NPK as the plants demand. It therefore does not over nourish or under nourish the plants (or the land) and since it is not a chemical fertilizer, a very minimal leaching occurs and thus no pollution to the environment. The very fact that everything is organic; it is an organic fertilizing system true to its sense.

WonderTreat facilitates the decomposing process and facilitates organic mater recycling.



Eco-Alive establishes a bio-feedback mechanism with the plant and provides adequate amount of NPK to the plant. Microbes continue working for as long as 180 days when conditions are optimized



• *Optional: WonderTreat for bioremediation, deodorization & pathogen removal*