

Converting Pollutants to Life



Abstract

Climate change is one of the largest obstacles facing today's Eco System, Changes to temperature, as well as to the frequency and severity of extreme weather events are already hampering. The effects of global warming include rising sea levels, regional changes in precipitation, more frequent extreme weather events such as heat waves, and expansion of deserts. Surface temperature increases are greatest in the Arctic, which has contributed to the retreat of glaciers, permafrost, and sea ice. Overall, higher temperatures bring more rain and snowfall, but for some regions droughts and wild fires increase instead. Climate change threatens to diminish crop yields, harming food security, and rising sea levels.

Purpose of Research

1. To convert liabilities to asset.
2. To reduce the carbon foot prints at higher rate.
3. To convert pollutants to fresh air.
4. To increase breathing capacity of plants.
5. To provide low-cost universal solution for removal of carbon from atmosphere.
6. To utilize Gardens & Agricultural land as environment cleaner faster than normal process.
7. To increase Carbon Sequestration.

Product Introduction - We would like to introduce "VIKALP URJA PROMOTOR" the modern marvel, Amalgamation of INDIA's great "Ayurveda & the Modern Biology". Made of 100% safe ingredients which improves the Mangroves food production mechanisms it goes in to the leaves & modifies photosynthesis process, improves primary and secondary metabolism with zero harmful residue.

Key Benefits

1. Increases Bio Mass.
2. Improves Primary & Secondary metabolism.
3. Improves plant climatic resilience factor.
4. Improves Photo Synthesis.
5. Improves plant sugar cycle.

6. Boost the carbon sequestration process.
7. Increases environmental tolerance including high light intensity, heat, water stress, nutrient stress etc.
8. Reduces water requirement.
9. A Zero residue product.
10. Do not contaminate the soil.
11. Not harmful to humans while spraying.

Mode of Action (Foliar Spray) - Enhances turgor pressure & carbon fixation (results in rapid growth & maturity). Increases intercellular carbon dioxide level in amount sufficient to inhibit photorespiration. Increases environmental tolerance including high light intensity, heat, water stress, nutrient stress etc. Reduces water requirement. Eliminates pathogens & harmful organisms through hypoxia & sanitization.

Climate Change & Mangroves – Mangroves are the “ROOTS of HOPE” Climate change exacerbates many of the existing threats to mangroves and poses additional challenges. Mangroves are sensitive to temperature changes, as they are adapted to tropical and subtropical climates. Sea level rise is a significant threat to mangroves, as it can lead to increased inundation and erosion of coastal habitats. Water quality parameters such as turbidity, nutrient levels, and pollution can influence mangrove ecosystems. Mangroves thrive in saline environments, but they have a limited tolerance for extreme salinity.

According to the report published on 22 May 2024 by “International Union for Conservation of Nature (IUCN) – Switzerland” More than half of the world’s mangrove ecosystems are at risk of collapse by 2050 (Climate change threatens one third (33%) of the mangrove ecosystems).

At present we have tested “VIKALP URJA PROMOTOR” on various types of Mangroves including a detailed case on field case study under the guidance of PH.D. experts and results have proved the basic claims (report attached).

Directions of use

Fill the mixing tank with a required amount of clean water. Add **VIKALP URJA PROMOTOR** 5ml to 1000ml ratio. Agitate the tank, mix thoroughly. Adopt multiple “high volume low concentration sprays” principle. Spray all parts of the plant i.e. Fruits, leaves, twigs, and branches. Thoroughly wet all these surfaces till runoff. Spray once in week in the evening time only.