

Biostimulant

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Biostimulant Latest News

Recently, the central government notified 34 biostimulants to spur manufacturing.

About Biostimulant

- These are **substances or microorganisms** applied to plants or soil to **stimulate natural processes** and also work by enhancing the plant's own physiological abilities.
- Biostimulants are products that **reduce the need for fertilizers** and increase plant growth, resistance to water and abiotic stresses.
- They improve overall plant health and productivity by targeting processes such as root development, **nutrient efficiency, stress tolerance** (drought, salinity, extreme temperatures), soil microbial activity.
- In addition, biostimulants applied to plants enhance nutrition efficiency, abiotic stress tolerance and/or plant quality traits, regardless of its nutrient contents.
- **Common types of biostimulants include:** Humic and fulvic acids, seaweed extracts, beneficial fungi and bacteria (e.g., mycorrhizae, rhizobacteria).

- In India Biostimulants are incorporated under **the Fertilizer (Control) Order, 1985**.

Advantages of Biostimulants

- **Improving plant tolerance to abiotic stress** on plants, including drought, extreme temperatures (cold, frost, and heat), and salinity
- **Enhancing uptake** and efficient use of nutrients, both applied and existing
- **Improving soil health** by enhancing beneficial soil microorganisms
- Enhancing crop quality through plant health and vigor
- Increasing harvestable yields

Biostimulant FAQs

Q1: What are the most common biostimulants?

Ans: Humic acids, seaweed extracts, liquid manure composting

Q2: What is another name for a bio stimulant?

Ans: Biostimulants also termed as plant conditioners

Source: [BL](#)

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