

What is ENTAZIA?

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About ENTAZIA

- It is a **biofungicide crop protection product formulated with *Bacillus subtilis***.
- It was **developed by FMC India**.
- It will provide farmers with a powerful and **sustainable tool to protect their crops from fungi** while maintaining environmental integrity.
- **Advantages:**
 - It **leverages the natural capabilities of *Bacillus subtilis* to control bacterial leaf blight**, one of the most serious diseases of rice.
 - By **activating the crop's defense system against plant pathogens**, it acts to **prevent and control bacterial leaf blight**, while **staying harmless to natural predators** and parasites.
 - The biological product **promotes natural pest defense** by utilizing the naturally occurring *Bacillus subtilis* **to establish a robust line of defense against bacterial leaf blight**.
 - By fostering a healthy plant microbiome, it **bolsters plants' resilience to stress factors and contributes to overall growth and vigor**.

- It can be **applied in an integrated pest management program with FMC's bio-stimulants** and synthetic fungicides for additional plant benefits.

What is Leaf Blight?

- It is a **plant disease that affects the foliage (leaves) of various plants, causing discoloration, wilting, and in severe cases, the death of the leaves.**
- It is typically **caused by various types of fungi or bacteria** that infect and damage the plant tissues.
- Leaf blight **can affect a wide range of plants**, including trees, shrubs, ornamental plants, and crops.

Q1) What is Bacillus subtilis?

Bacillus subtilis, often referred to simply as "B. subtilis," is a Gram-positive, rod-shaped bacterium commonly found in soil and the gastrointestinal tract of humans and animals. It is a well-studied and widely used model organism in microbiology and biotechnology.

Source: [FMC Introduces ENTAZIA biofungicide to Safeguard Crops in India](#)

Source: <https://vajiramandravi.com/current-affairs/entazia/>

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