

Eco-friendly & Low-cost Solution for Seed Treatment

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Brief about innovation:

- This innovative, eco-friendly seed treatment for paddy involves applying a carefully balanced natural mixture of 100 g turmeric + 10 g baking soda, and 1 g asafoetida for 10 kg paddy seed to prior to sowing.
- This unique combination significantly enhances germination rates while simultaneously offering protection against seed-borne diseases and early-stage insect pests.

Specification/ utility:

- **Turmeric** acts as a natural bio-stimulant and antioxidant, promoting healthy sprout development.
- **Baking soda** helps neutralize seed-surface pathogens.
- **Asafoetida**, with its antimicrobial properties, further shields the germinating seeds.

Together, these readily available, cost-effective ingredients form an effective, sustainable alternative to chemical seed treatments—ensuring robust early growth and disease resistance in paddy cultivation.

Photographs:

