

Wettable Powder based formulation of *Bacillus megaterium* NBAII 63 for the growth promoting ability in brinjal and tomato

- **Brand Name:** Shatpada *Bacillus megaterium* Growth Promotor
- **Microbial Constituent:** *Bacillus megaterium* NBAII 63
- **Microbial Culture deposition in National Culture Collection and accession number:** Not deposited at ICAR-NBAIM, Mau.
- **Production method:** Talc formulation (2% WP) containing minimum of 1×10^8 cfu/g
- **Target pest and crop:** Growth Promotion in Brinjal and Tomato
- **Method of application:** Seed treatment, Seedling root dipping, Root zone application and Foliar spray
- **Dosage of application:** Seed treatment @ 10g/L , Root dipping @ 10g/L (for 20 minutes) , Root zone application (5kg/Ha)and Foliar spray @ 10g/L. The application has to be done twice a year during June/July & August to September.
- **Target states:** Tomato and Brinjal growing states
- **Validation:** The technology was tested at IIVR, Varanasi and Dharmapuru, KVK TNAU during 2012 to 2014



Bacillus megaterium



Field validation of powder formulation of *B.megaterium*

- **Benefits:**
62 to 75 % increase in yield
- **Commercialization of technology:** The technology was sold to 5 private companies during 2015 & 2020

Contact: Director, ICAR- National Bureau of Agricultural Insect Resources, Bangalore-560 024. director.nbair@icar.gov.in