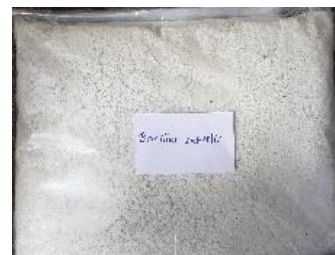


Bioformulation of *Bacillus subtilis* strain NBAIR BS1 for for the growth Promoting ability

- **Brand Name:** Shatpada *Bacillus subtilis* Growth Promotor
- **Microbial Constituent:** *Bacillus subtilis* NBAII BS1
- **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 Tea
- **Method of application:** Seed treatment, Root dipping, Root zone application and Foliar spray
- **Dosage of application:** Seed treatment @ 10g/L, Seedling 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:** Kerala, Karnataka, Assam, Tamil nadu, Himachal Pradesh, West Bengal ,
- **Validation:** The technology was tested at UPASI TRF Tea Research Institute, Valparai, Tamil Nadu and UPASI TRF Tea Research Institute, Vandiperiyar, Kerala 2016 to 2019



Bacillus subtilis



Field validation of Bioformulation of Bacillus subtilis

- **Benefits:**
 - 60 to 76 % increase in yield
- **Commercialization of technology:** The technology was licensed to one firm during 2020

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