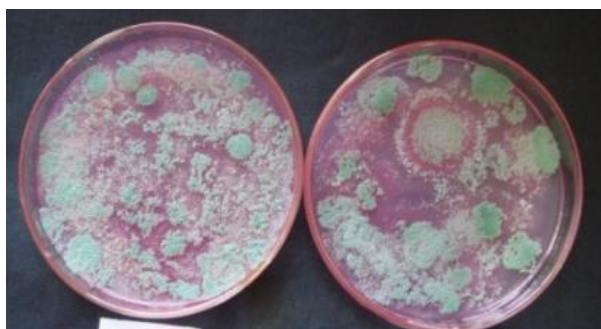


## **Shatpada Salinator - Bioformulation of salinity tolerant isolate of *Trichoderma harzianum* for biological management of plant diseases**

- **Brand Name:** Shatpada Salinator
- **Microbial Constituent:** *Trichoderma harzianum* (ICAR-NBAIRHAR16B)
- **Microbial Culture and accession number:** *Trichoderma harzianum* ICAR-NBAIRHAR16B; patent (2273/CHE/2011 Dt. 04/07/2011).
- **Formulation type:** Powder formulation  $1 \times 10^9$  cfu/ml IU/mg
- **Target pest and crop:** Soil borne diseases in saline affected soils for sorghum and groundnut. This *Trichoderma* isolate is tolerant to 2M NaCl and have good bio-control potential. Can protect the plants from salinity (4800 ppm concentration of NaCl in soil).
- **Method of application:** 10g per Kg of seed. Treat before sowing. Foliar spray @ 1 Kg per acre. Coat the seeds with 1% carboxy methyl cellulose/gum arabic solution before adding powder formulation.
- **Dosage of application:** 10g per Kg of seed. Foliar spray @ 1 Kg per acre mixed in required quantity of water.
- **Target states:** Karnataka, Tamil Nadu, Gujarat
- **Benefits:** This bio-formulation of salinity tolerant isolates of *Trichoderma* with biocontrol potential is applicable to the crops grown in sodic soil, and it not only helps in disease control but also induces the salinity tolerance to crop plants with increased seed germination and growth.



- **Commercialization of technology:** Toxicological data required for CIB&RC registration is available
- **Contact:** Director, ICAR- National Bureau of Agricultural Insect Resources, Bangalore-560 024. [director.nbair@icar.gov.in](mailto:director.nbair@icar.gov.in)