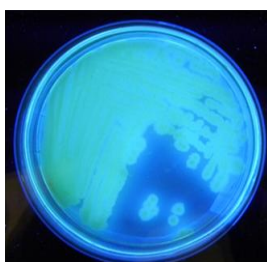


Shatpada All Rounder - Powder based formulation of *Pseudomonas fluorescens* (NBAIR-PFDWD), an antimicrobial 2,4-diacetylphloroglucinol (DAPG) producing biotic and abiotic stress tolerant strain for *Thrips* species management

- **Brand Name:** Shatpada Allrounder
- **Microbial Constituent:** *Pseudomonas fluorescens* NBAIR -PFDWD strain
- **Microbial Culture and accession number:** *Pseudomonas fluorescens* NBAIR-PFDWD (NCBI GenBank Accession HM439956.1; Identification and DNA Fingerprint obtained from ICAR-NBAIM, Mau)
- **Formulation type:** Talc based; 1×10^8 cfu/g
- **Target pest and crop:** *Thrips* spp. in Capsicum and *Fusarium* wilt of red gram.
- **Method of application:** Foliar application at 20 g/L at 20, 30, 40 and 50 days after transplanting and for the management of thrips in capsicum; Water required: 200 L/ha
- **Dosage of application:** 10g/Kg of seed for seed treatment. 20g/L for foliar spray
- **Target states:** Karnataka, Andhra Pradesh, Maharashtra, Tamil Nadu, Gujarat, Orissa
- **Validation:** The technology was tested at ICAR-NBAIR, Yelahanka campus, Karnataka during 2018 and 2019 for Thripsmanagement in capsicum; Validated at KVK, Palem, Telangana for management of *Fusarium* wilt of red gram during 2020.



Effect of Shatpada All Rounder on yield of capsicum tested at ICAR-NBAIR, Bengaluru during 2018-2019.

- **Benefits:** 70-90% reduction in thrips infestation; 50-60% reduction in *Fusarium* wilt, 48-53% increase in yield of Capsicum
- **Commercialization of technology:** Available for licensing. 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