Shatpada: A technique for the rearing of parasitoid *Nesolynx thymus* (Girault) and their use in the housefly, *Musca domestica* management

- **Brand Name:** Shatpada *Nesolynx thymus* for housefly management
- **Parasitoid:** *Nesolynx thymus* a pupal parasitoid of Housefly, *Musca domestica*
- **Parasitoid deposit:** Specimens deposited in ICAR NBAIR national repository.
- **Production method:** Parasitoids are reared on housefly pupae
- **Target pest:** Housefly, *Musca domestica*
- **Release Method:** Parasitoids emerging from housefly pupae housed in nylon netted bags of 6 cm x 6 cm having a mesh density of 12 sq/cm^2 is used as a release method.
- **Dosage of application:** 25000 parasitoids per release/week for four consecutive months to cover layer poultry shed 50 x 15 m (LxW) with a capacity of 6000 birds/ unit.
- **Target states:** Suited for release in poultry sheds and dairy units across the country
- **Validation:** Technology for rearing evaluated ICAR – NBAIR and the efficacy was evaluated at Malur, Karnataka


N. thymus Female


Male


N. thymus parasitizing pupae


Immature stage

- **Benefits:**
  - Innundative release of the pupal parasitoid *N. thymus* caused 60 % parasitism, this will scale down the population of houseflies in poultry units and dairy sheds.
- **Commercialization of technology:** The technology is ready for commercialization. Technology commercialized to SRK seribiotech unit, Hosur.

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