

Shatpada: A Technique for the rearing of housefly parasitoid *Nasonia vitripennis* (Pteromalidae)

- **Brand Name:** Shatpada *Nasonia vitripennis* rearing technique
- **Parasitoid:** *Nasonia vitripennis* (Pteromalidae : Hymenoptera) a pupal parasitoid of the 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/cm² 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



Nasonia vitripennis



Larval and pupal stages of *M. domestica*



Parasitized *M. domestica* pupae

- **Benefits:**
Indiscriminate use of pesticides in dairy and poultry units can be scaled down.
Innundative release of the pupal parasitoid *Nasonia vitripennis* will scale down the population of houseflies in poultry units and dairy sheds.
- **Commercialization of technology:** The rearing technique is ready for commercialization. Technology commercialized to Baghyalakshmi farms Pvt Ltd, Bengaluru.

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