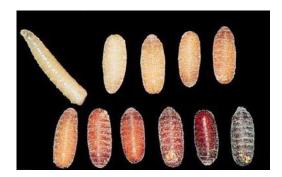
Shatpada: A Technique for the rearing of housefly parasitoid Nasonia vitripennis (Pteromalidae)

- 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

Nasonia vitripennis

- **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



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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