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Research Paper

HOLISTIC APPROACH FOR EFFECTIVE MANAGEMENT OF SILKWORM UZI FLY, *EXORISTA BOMBYCIS* (LOUIS) (DIPTERA: TACHINIDAE)

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ABSTRACT

In an effort to increase the efficiency of management of the silkworm uzi fly, *Exorista bombycis* (Louis) (Diptera: Tachinidae), the existing non-chemical IPM (integrated pest management) package comprising of components, such as rearing of silkworms under nylon net enclosure, use of yellow liquid trap and release of an ecto-pupal parasitoid *viz., Nesolynx thymus* (Girault) (Hymenoptera: Eulophidae) was implemented along with a newly added strategy of cultural control *i.e.,* keeping silkworm litter and other rearing residue packed in plastic bags for two weeks before disposal. This holistic management practice was carried out for a period of one year by involving all the sericulturists of the experimental village, covering 783 crops of 94,965 disease free layings (DFLs), which could drastically reduce the uzi fly infestation from 10.7 to 1.14 % with sustained effect throughout the year.

Key words: Disease free layings, *Exorista bombycis*, IPM, silkworm, uzi fly.