

Comparative biology and predatory potential of green lace wing on different aphid species

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ABSTRACT

Investigation on comparative biology of green lace wing, *Chrysoperla zastrowi arabica* Henry *et al.* (Neuroptera : Chrysopidae) was carried out in the Bio-control Laboratory, Navsari Agricultural University, Navsari, Gujarat during 2007 to 2009. The results on comparative biology of *C. zastrowi arabica* on two aphid species viz., *Aphis gossypii* Glower and *Myzus persicae* (Sulzer) revealed that average duration of total developmental period was 18.70 ± 0.64 and 18.93 ± 0.55 days when reared on *A. gossypii*, and *M. persicae*, respectively. The egg laying capacity of *C. zastrowi arabica* was recorded 754.25 ± 143.47 and 601.75 ± 89.43 eggs when reared on *A. gossypii* and *M. persicae*, respectively. Study on predatory potential of *C. zastrowi arabica* revealed that single larva consumed an average of 627.60 ± 42.39 and 587.5 ± 55.59 numbers (nymphs and adults) of *A. gossypii* and *M. persicae*, respectively.

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