



RESEARCH PAPER

**Biology of whitefly, *Bemisia tabaci* (gennadius) on
Kharif mungbean**

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Abstract : *Bemisia tabaci*, commonly known as the whitefly, is classified under the order Hemiptera, the family Aleyrodidae, and the subfamily Aleyrodinae soft bodied polyphagous pest distributed widely in tropical and subtropical regions of India. Both the nymphs and adults of *Bemisia tabaci* cause direct as well as indirect damages to mungbean. The present investigation was conducted to study the whitefly biology on *Kharif* mungbean under screen house Entomological Research Farm, Punjab Agricultural University, Ludhiana during seasons of 2022-2023. The average incubation period, first, second, third, total nymphal period and fourth instar (pupal) of *Bemisia tabaci* were 3.08 ± 0.17 , 4.22 ± 0.14 , 3.64 ± 0.12 , 3.67 ± 0.13 , 11.77 ± 0.33 and 6.47 ± 0.13 days, respectively. The pre-oviposition, oviposition, post-oviposition period and fecundity were 2.34 ± 0.11 , 4.14 ± 0.14 , 2.33 ± 0.10 and 39.53 ± 0.40 days, respectively. The longevity male and female was 7.58 ± 0.11 and 10.19 ± 0.25 days. Total life cycle of *Bemisia tabaci* ranged 30.21 ± 0.46 days.

Key Words : *Bemisia tabaci*, Biology, Mungbean, *Kharif*

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