

THE BIOLOGY OF *HELICOVERPA ARMIGERA* HUB. ON TOMATO

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ABSTRACT : A study on the biology of *Helicoverpa armigera* on tomato was conducted in the departmental laboratory of Ag. Zoology and Entomology, R.B.S college, Bichpuri, Agra in 1997. The different stages of life cycle were recorded in the terms of premating, mating, preoviposition, oviposition, incubation, larval, pupal stages and life span of male and female moths. The average premating and mating period were as 1.48 days and 9 minutes 11 seconds. The average preoviposition and oviposition period of the moths were 2.2 and 2.7 days, respectively. The average fecundity of a single female moth was 311 eggs with incubation period of 3.6 days. The average fertility of the eggs were 68 %. The average larval and pupal period were as 20.77 and 10.88 days. The average life span of the male and female moths were 6.5 and 9.58 days.

Key Words: Biology, *H. armigera*, Tomato.