

Biology of aphid, *Hyadaphis coriandari* (Das) infesting on fennel

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ABSTRACT : The biology of aphid, *Hyadaphis coriandari* (Das) was studied under laboratory conditions at room temperature varying from 24 to 28 °C and relative humidity of 59 to 77 per cent during March-April 2009. The first instar nymphs were light green in colour and gradually changes in to dark green towards maturity, pear shaped, delicate and wingless. The first, second, third and fourth instar periods were 1.45 ± 0.41 , 1.60 ± 0.34 , 1.26 ± 0.42 and 1.82 ± 0.24 days, respectively. The total nymphal period varied from 4.5 to 7.5 days (Av. 5.88 ± 0.82 days). The adults lived from 4.00 to 11.00 days (Av. 8.45 ± 2.09 days) with the pre reproductive, reproductive and post reproductive periods of 1.11 ± 0.37 , 5.09 ± 1.42 and 1.56 ± 0.51 days, respectively. A single female in her life period produced 10.00 to 47.50 young ones with an average of 35.31 ± 10.46 young ones. The daily fecundity of female varied from 2.00 to 8.00 young ones (Av. 5.90 ± 1.85 young ones/female/day).

Key Words: Biology, *Hyadaphis coriandari*, fennel.