



**RESEARCH ARTICLE :**

## Life fecundity table of *Leucinodes orbonalis* Guenee on brinjal in laboratory condition

■ F.S. KHAN, A.A. MOTAPHALE, P.M. SANGLE AND P.S. BORIKAR

**ARTICLE CHRONICLE :**

**Received :**

13.07.2017;

**Accepted :**

28.07.2017

**SUMMARY :** Laboratory experiment was conducted during *Kharif* 2009 and 2010 at Department of Entomology, Vasant Rao Naik Marathwada Krishi Vidyapeeth, Parbhani (Maharashtra) to study Life fecundity table of *Leucinodes orbonalis* Guenee on Brinjal under laboratory condition. In life table studies egg to adult emergence, 5 per cent male and 6 per cent female moths emerged successfully. The net reproductive rate ( $R_0$ ) representing the total females per female per generation was 17.01. The finite rate of increase in number ( $\lambda$ ) was 1.21 females per female per day. The corrected value of the intrinsic rate ( $r_m$ ) was 0.0833 female per female per day. On reaching stable age-distribution the population of *L. orbonalis* in its various stages viz., egg, larva, pre-pupa, pupa and adult was distributed to the extent of 52.72, 38.83, 3.72, 4.34 and 0.38 per cent, respectively.

**How to cite this article :** Khan, F.S., Motaphale, A.A., Sangle, P.M. and Borikar, P.S. (2017). Life fecundity table of *Leucinodes orbonalis* Guenee on brinjal in laboratory condition. *Agric. Update*, 12(TECHSEAR-3) : 832-837; DOI: 10.15740/HAS/AU/12.TECHSEAR(3)2017/832-837.

**KEY WORDS :**

Biology, Egg, Larva,  
Pupa, Laboratory

Author for correspondence :

F.S. KHAN

Department of  
Agricultural  
Entomology, Vasant Rao  
Naik Marathwada  
Krishi Vidyapeeth,  
PARBHANI (M.S.) INDIA  
Email : fariakhan.316@  
rediffmail.com

See end of the article for  
authors' affiliations