

# Effect of different diets on the biological parameters of rice moth, *Corcyra cephalonica* Stainton

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## ABSTRACT

The effect of different diets on the biological parameters of rice moth, *Corcyra cephalonica* Stainton (Lepidoptera: Pyralidae) was studied under laboratory condition during 2010 -2011 in the Department of Entomology, Assam Agricultural University, Jorhat, Assam. Among the six diets tested, rice, wheat and groundnut mixture (5:5:1) was found to be the superior rearing medium that enhanced quicker development period of *Corcyra cephalonica*, maximum fecundity and maximum fresh body weight of full grown larva for both summer and winter seasons. The quicker development period of *Corcyra cephalonica* were  $36.30 \pm 0.58$  and  $48.80 \pm 0.33$  in summer and winter, respectively whereas maximum fecundity were  $175.60 \pm 0.13$  and  $157.65 \pm 2.64$  in both the season. The maximum fresh body weight of full grown larva was  $93.85 \pm 0.56$  in summer and  $84.70 \pm 1.05$  in winter when *Corcyra cephalonica* reared in rice, wheat and groundnut mixture (5:5:1). Groundnut alone proved to be the least preferred by the *Corcyra cephalonica* so weak performance in all the parameters for this tested host of many natural enemies.

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