Current Nematology, **25**(1,2) : 5–9, 2014

Effect of different insect hosts on multiplication of *Steinernema carpocapsae*

S.S. Bhati, A.U. Siddiqui and S.K. Sharma

Received January 11, 2014 and Accepted May 11, 2014

ABSTRACT : Investigation on mass multiplication of *S. carpocapsae* was undertaken on different host *viz.* rice moth (*Corcyra cephalonica*), greater wax moth (*Galleria mellonella*), gram pod borer (*Helicoverpa armigera*) and tobacco caterpillar (*Spodoptera litura*). Results showed that, on the basis of yield of IJs on per mg body weight of cadaver maximum 572.00 IJs of *S. carpocapsae* produced on *G. mellonella*, followed by 568.00 IJs and 554.00 IJs on *S. litura* and *H. armigera* respectively. Whereas, minimum 542.00 IJs on *C. cephalonica.* Therefore, on the basis of yield of IJs per mg body weight of cadaver, *G. mellonella* was found to be the most suitable host for mass production of *S. carpocapsae.*

Key Words : Entomopathogenic nematode, *Steinernema carpocapsae*, mass multiplication, *Spodoptera litura*.