

Application of *Steinernema masoodi* with different adjuvant against *Spodoptera litura* (Fab.) infecting soybean

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ABSTRACT: The experiment was conducted to test the efficacy of *Steinernema masoodi* against tobacco caterpillar (*S. litura*) on soybean in cage house condition at 10,000 and 20,000 IJs/plant with different adjuvant. The IJs obtained from CGAC formulations were applied with adjuvant jaggry @ 2 per cent with dose 20,000 IJs/plant caused maximum 45.00 per cent mortality of tobacco caterpillar larvae. While 40 and 37.50 per cent mortality of tobacco caterpillar (*S. litura*) was obtained with 20,000 IJs/plant and 1 per cent jaggry respectively after 7 day of as foliar application.

Key Words: *Steinernema masoodi*, *Spodoptera litura*, formulations, adjuvants, soybean, CGAC.