



RESEARCH PAPER

Evaluation of biopesticides against pod borers infesting green gram

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Abstract : The bio-efficacy of seven biopesticides were evaluated against pod bores viz., *Helicoverpa armigera* and *Maruca vitrata*. Considering efficacy against pod borers, azaditrachtin 0.15 EC at 0.0006% followed by NSKE 5 %, *Bacillus thuringiensis* at 0.005 % and *Beauveria bassiana* at 0.007% were found more effective. The least percent pod damage was recorded in azaditrachtin 0.15 EC at 0.0006 % followed by NSKE 5% and *Bacillus thuringiensis* 1 WP at 0.005%. The grain yield was higher in azaditrachtin 0.15 EC at 0.0006 % (609 Kg/ha) followed by NSKE 5 % (482Kg/ha), *Bacillus thuringiensis* (453Kg/ha) and *Beauveria bassiana* (433 Kg/ha). The net realization over control was higher in azaditrachtin 0.15 EC at 0.0006% followed NSKE 5 %, *Bacillus thuringiensis* at 0.005 %, and *Beauveria bassiana* at 0.007% (22807 Rs./ha). The highest ICBR was registered in azaditrachtin 0.15 EC at 0.0006 % (1: 4.38) followed by NSKE 5 % (1: 2.99), *Beauveria bassiana* at 0.007% (1: 2.49) and *Bacillus thuringiensis* at 0.005 % (1: 2.32).

Key Words : Green gram, Pod borers, Biopesticides

View Point Article : Patel, D. R., Patel, J.J. and Muchhadiya, D.V. (2025). Evaluation of biopesticides against pod borers infesting green gram. *Internat. J. agric. Sci.*, 21 (2) : 299-303, DOI:10.15740/HAS/IJAS/21.2/299-303. Copyright@2025: Hind Agri-Horticultural Society.

Article History : Received : 21.03.2025; Revised : 15.04.2025; Accepted : 17.05.2025

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