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Bioefficacy of Emamectin benzoate 1.9%EC against green semi looper, *Thysanoplusia orichalcea* Fabricius on soybean

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ABSTRACT : The field experiment was conducted during *kharif*, 2015-16 to determine the efficacy of emamectin benzoate 1.9% EC insecticide against green semi looper, *Thysanoplusia orichalcea* on soybean at G.B. Pant University of Agriculture and Technology, Pantnagar, Uttarakhand. The insecticides emamectin benzoate 1.9% EC @ 475 ml/ha followed by emamectin benzoate 1.9%EC@ 425ml/ha and chlorantraniliprole 18.5% SC @ 150 ml/ha were found effective in reduction of green semi looper larval population. Among different treatments emamectin benzoate 1.9%EC @ 475ml/ha (11.77 q/ha) recorded highest soybean seed yield, followed by emamectin benzoate 1.9%EC@ 425ml/ha (11.33 q/ha) and chlorantraniliprole 18.5% SC @ 150 ml/ha (11.10q/ha). The lowest seed yield was obtained from untreated (7.43q/ha).

Key Words: Green semi looper (*Thysanoplusia orichalcea* F.), soybean, emamectin benzoate