

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

M. Swathi¹, Neeta Gaur¹ and Pradeep Mishra²

Received December 10, 2016 and Accepted March 25, 2017

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 @ 475ml/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 (11.77q/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 (11.10 q/ha). The lowest seed yield was obtained from untreated (7.43 q/ha).

Key Words: Green semi looper, soybean, emamectin benzoate.