

INFLUENCE OF WEATHER FACTOR ON INCIDENCE OF *EARIAS VITTELLA* ON OKRA

Manish Kumar¹, Nishith Gupta¹ and R.C. Pandey²

Received May 28, 2009 and Accepted September 12, 2009

ABSTRACT : Multiple correlation studies was carried out at NDUA&T, Kumarganj on Parbhani Kranti cultivar of okra in Kharif 2002 and 2003 to understand the influence of weather factors on the incidence of *Earias vittella*. The revealed its activity from three weeks age of crop and remained in accelerated made until removal of the okra crop. The incidence of shoot damage by fruit and shoot borer, *E. vittella* revealed significantly positive association with minimum and maximum temperature, whereas, a significant negative association was found with wind velocity. The fruit damage shows significant negative association with minimum temperature and positive with relative humidity and sunshine hour. The R^2 value was significance showing that 86% variation in shoot damage due to all the weather factors during 2003 and increases of 1°C of minimum temperature would lead to an increase of 1.404% shoot damage during 2003.

Key Words: Multiple correlation, weather factors, *Earias vittella*, Okra.