Field experiment was conducted during Kharif season of 1996 to study the population dynamics of white flies, *Bemicia tabaci* Genn. on brinjal. With increase in temperature and humidity, there was increase in the population of white flies and vice-versa. Number of rainy days exhibited highest positive direct effect and evening relative humidity showed highest negative direct effect on the population of white flies.


**Key words**: Population dynamics, *Bemicia tabaci*