

STUDY OF THE POPULATION DYNAMIC OF *VARROA DESTRUCTOR* IN ALGERIA

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ABSTRACT

In this article, we describe some dynamics of varroa, incorporating more recent data specifically on the invasion of brood cells by phoretic mites and their total population, and changes in mortality. Populational model of the mite is related with the modeling of bee colony (*Apis mellifera intermissa*). This allows a more realistic evaluation of events when the distribution of mites on the bees and the brood is important. We have shown in this study varroa population increases in spring then from June we have seen decline of population varroa.

Population approximately follows the development of its host, the maximum population is recorded during this month is on average 4417 mite by colony; also it appears that the level of infestation of this mite in colonies varies depending on the weather (season) and internal conditions of each colony.

KEYWORDS: Apis Mellifera Intermissa, Varroa Destructor, Population Dynamics, Phoretic