

Phosphomidon induced biochemical changes in fresh water snail, *Viviparous bengalensis* from darana river of Nasik district

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Pesticides have unique position among crop protecting chemicals. The phosphomidon an organophosphate pesticide has an ample application on account of its efficiency against a wide variety of insect pest which enters into aquatic bodies through runoff water. Blind use of pesticide bound to affect the non target organism like *Viviparus bengalensis*. The present research paper deals with the study of toxic potential of pesticide *i.e.* phosphomidon against fresh water snail, *Viviparus bengalensis*. The average LC₅₀ values were determined up to the period of 96 hrs. The glycogen and protein contents were found to be depleted while lipid content was inclined. The results can be correlated with the increased consumption of reserve food in the hepatopancreas, mantle, foot and whole body tissues of the fresh water snail *Viviparus bengalensis*.

Key words : Bioassay, *Viviparus*, *Bengalensis*, Phosphomidon

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