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Role of Abiotic Factors in Population Fluctuation of Mango Hopper (*Amritodus atkinsoni* Leth.)

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Abstract: The population of mango hopper, *Amritodus atkinsoni* was higher during flower initiation or panicle emergence to the stone-sized fruits stage. Highest population of hopper (8.46 hoppers panicle^{-1}) was observed on 14th standard week (SW) coinciding with stone sized fruit stage. Elaborate role of ELT and weather parameter was positively (r = 0.594) influenced by maximum temperature, sunshine and evaporation and negatively (r = -0.594) by evening relative humidity, wind velocity and rainfall. Higher population of hopper was observed on 14th SW coinciding with stone sized fruit stage of the crop.

Key Word: Hopper, *Amritodus atkinsoni* Leth. Abiotic factor, Population dynamics