

IMPACT OF TEA MOSQUITO INFESTATION ON ENDOGENOUS HORMONES OF TEA (*CAMELLIA SINENSIS* L.)

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ABSTRACT : Young shoots of tea plants, beverage crop of significance of North East India, are infested by Tea Mosquito Bug (*Helopeltis theivora* Waterhouse, Hemiptera) leading to enormous crop loss and delayed flushing. This paper aims to find out the variation of plant hormones in non-infested and infested leaves of tea plants and its influence on growth behaviour. Endogenous hormones [auxin (IAA), abscisic acid (ABA) and gibberellic acid (GA_3)] play critical roles in dormancy and flushing of tea plants. *Helopeltis* infestation significantly regulated the content of hormones (IAA and GA_3) as well as stress hormone (ABA).

Key words: **Tea, Tea Mosquito Bug, Auxin, Abscisic Acid, Gibberellic Acid**
