

# **Incidence of cotton insect pests in cotton field of Phwe Thin Village, Pyaw Bwe Township, Mandalay Region**

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## **Abstract**

The present study was conducted to investigate some cotton insect pests on cotton cultivars, in Phwe Thin Village, Pyaw Bwe Township, Mandalay Region. The study period lasted from December 2018 to September 2019. Ten cotton plants were randomly selected from each raw plantation. The specimens were collected two times per day once a week. During the study period, 25 species of insect pests belonging to six orders, and 19 families were recorded. In the present study, the population of *Aphis gossypii*, *Dysdercus cingulatus*, *Amrasca biguttula*, *Oxycarenus hyalipennis*, *Bemisia tabaci*, *Monolepta signata*, *Phenacoccus solenopsis*, and *Aphis craccivora* were found as the highest number of pest species. The remaining pest species were found as the lowest. In the species composition of insect pest order Hemiptera was the most dominant during the study period. The highest populations of pest were observed in July and the lowest in January. The results revealed that an abundance of insect pests may be found without spraying insecticides on cotton cultivars.

**Key words:** composition, *populations*, *abundance*

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