

Effect of *Artemisia vulgaris* (Mei-Di-Dote) Leave Extracts on *Aedes Aegypti* Mosquitoes

Htay Aung¹, Hla Hla Soe¹, Yi Yi Mya¹, Thida Maw¹, Nyi Nyi Aung¹, Myint Lwin²
and Hla Swe³

¹Entomology Research Division,

²Department of Medical Research (Upper Myanmar)

³Department of Zoology, Mandalay University

Myanmar Health Research Congress: 2001; pg. 25

Abstract

Artemisia vulgaris (leave extract) produced a strong repellent action on *Aedes aegypti* (the DHF vector) in Myanmar even at concentration as low as 0.4 and 1.0%. At a concentration of 2% no *aedes* biting and the protection provided was 100% during 6-8 hours period. The larvicidal effect of *Artemisia* oil on *Aedes aegypti* larvae were studied by using 3rd instars and above. The LC₉₀ and LC₅₀ were found to be one percent and 0.5 percent respectively. The residual effect of *Artemisia* oil under laboratory condition with 2% and 4% persisted on 15-25 hours. Moreover, under laboratory condition with 2% and 4% the ovicidal effect was found to be 100 percent control.