

**Effect of *Artemisia vulgaris* (Mei-Di-Dote) Leave Extract  
on *Aedes aegypti* Mosquitoes**

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**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 3<sup>rd</sup> instars and above. The LC<sub>90</sub> and LC<sub>50</sub> 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.