

Table 1 Larvicidal activity of *P. glandulosus* essential oil against 4<sup>th</sup> instar larvae of *Ae. aegypti*, *An. gambiae* and *Cx. quinquefasciatus* 24 h post exposure

Targeted mosquito species	Conc.(ppm)	MM±SD (%)	LC <sub>50</sub> (LCL-UCL) (ppm)	LC <sub>90</sub> (LCL-UCL) (ppm)	χ <sup>2</sup>
<i>Aedes aegypti</i>	12.5	94.67±6.11 <sup>a</sup>	2.66	8.71	0.23
	25	100.00±0.00 <sup>a</sup>	(-)	(-)	
	50	100.00±0.00 <sup>a</sup>			
	100	100.00±0.00 <sup>a</sup>			
	150	100.00±0.00 <sup>a</sup>			
	F value	2.28ns			
<i>Anopheles gambiae</i>	12.5	76.00±6.92 <sup>a</sup>	7.37	25.55	2.91
	25	81.33±6.11 <sup>a</sup>	(1.17-11.98)	(17.65-51.43)	
	50	100.00±0.00 <sup>b</sup>			
	100	100.00±0.00 <sup>b</sup>			
	150	100.00±0.00 <sup>b</sup>			
	F value	24.62***			
<i>Culex quinquefasciatus</i>	12.5	0.00±0.00 <sup>a</sup>	43.16	67.00	0.31
	25	6.67±2.31 <sup>b</sup>	(37.07-50.34)	(56.27-92.40)	
	50	64.00±6.93 <sup>c</sup>			
	100	100.00±0.00 <sup>d</sup>			
	150	100.00±0.00 <sup>d</sup>			
	F value	667.15***			

Note: MM±SD (%): Mean of mortality ± standard deviation (%); MM±SD within a column followed by the same letter do not differ significantly at P= 0.05 (Duncan's test); \*\*\*: p<0.001; LC<sub>50</sub> and LC<sub>90</sub>: Lethal Concentrations able to kill 50% and 90% of larvae, respectively; ppm: parts per million; LCL: Lower Confidence Limit; UCL: Upper Confidence Limit; (-): no Confidence Limit estimated; ns: not significant; χ<sup>2</sup>: Chi-squared; Number of replicates: 4