Insecticidal Activity of Jamaican Nutmeg Oil Against Aedes aegypti

AUTHORS	Golding M[1], Khouri N[1], Gould C[2], Tiede E[2], Wood T[2], Sandiford S[1]
AFFILIATION	[1] University of the West Indies, Mona, Jamaica [2] University at Buffalo, Buffalo, NY, USA

KEYWORDS	nutmeg essential oil, Aedes aegypti, vector control

OBJECTIVE

Assess the activity of Jamaican nutmeg essential oil against Aedes aegypti at different life stages.

METHODS

Laboratory bioassays evaluated mosquitoes at several developmental stages and included a local field strain.

RESULTS

Activity varied by stage. The oil showed activity against several larval stages and adults, with no activity detected against eggs.

CONCLUSION

The authors identified the oil as a candidate for further vector-control research.