Synergistic actions of formamidine insecticides on the activity of pyrethroids and neonicotinoids against Aedes aegypti (Diptera: Culicidae)

MAI Ahmed, F Matsumura

Abstract:

Abstract: Formamidines are unique insecticides and acaricides that elicit multiple effects in controlling insects. Here, we tested two formamidines, amitraz, and chlordimeform, for their synergistic actions on type II pyrethroids and neonicotinoids to increase their larvicidal actions on the fourth instars of Aedes aegypti L. An organophosphate insecticide was used as a negative control. After 24 h, the synergism of formamidines was highest on imidacloprid, followed by two type II pyrethroids.

Published In:

Journal of medical entomology, NULL, NULL