

Video Article

Predicting the Effectiveness of Population Replacement Strategy Using Mathematical Modeling

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Abstract

Charles Taylor and John Marshall explain the utility of mathematical modeling for evaluating the effectiveness of population replacement strategy. Insight is given into how computational models can provide information on the population dynamics of mosquitoes and the spread of transposable elements through *A. gambiae* subspecies. The ethical considerations of releasing genetically modified mosquitoes into the wild are discussed.

Video Link

The video component of this article can be found at <http://www.jove.com/video/227/>

Disclosures

The authors have nothing to disclose.