

Plant-Based Mosquito Attractant Mixture

This invention discloses the compositions of a highly effective, novel mosquito attractant mixture for use in a variety of high-impact public health research and development areas.



What is the Problem?

Currently, there is a lack of effective, non-toxic, and universally attractive mosquito attractants that can be used for monitoring and controlling diverse mosquito populations and species. Current mosquito monitoring programs have limitations, as most attractants are species-specific and only target female mosquitoes. These limitations hinder effective mosquito population control and the prevention of mosquito-borne diseases.

What is the Solution?

The solution is the invention of novel mosquito attractants that are highly effective, nontoxic, and pleasant-smelling to the human nose. These attractants lure both male and female mosquitoes across diverse species, making them suitable for various research and development purposes. The invention can be utilized in a kit that includes the attractant mixture and a toxicant, providing a comprehensive solution for mosquito population control.

Technology ID

BDP 7979

Category

Hardware/Other

Selection of Available

Technologies

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What is the Competitive Advantage?

The competitive advantage of this invention lies in its broader effectiveness across diverse mosquito species and its applicability to both sexes. This advantage allows for more comprehensive mosquito vector population research, insecticide resistance tracking, active mosquito population testing in the vicinity of mosquito-borne disease outbreaks, and the development of consumer-grade mosquito traps for outdoor activities. Furthermore, the non-toxic and pleasant-smelling nature of the attractant enhances its potential for use in non-native and invasive mosquito surveillance and control across various geographic regions.

Patent Information:

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