

Herbo-electronic device for mosquito repellent and air sterilization

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Abstract

Mosquitoes are major problem that spread malaria and other diseases, such as dengue, chikungunya, and Yellow fever. There are two peak seasons for Dengue transmission in Sri Lanka: one is from October to December; another is from May to July. A mosquito repellent doesn't actually kill mosquitoes. Repellents work by making people less attractive to mosquitoes, so they're less likely to bite above chemicals may harm to the skin and respiratory system badly. But there are other options that are deemed "natural" because they are derived from natural materials such as plants. Impregnated with naturally repellent essential oils, the aromatic bands are designed to drive away mosquitoes without saturating the skin with repellents. They smell strong, can be sniffed from up to 10 feet away, for more than 20-30 minutes and are nontoxic and adjustable to fit children through adults. They smell good and instill confidence in their active ingredients, but we still found ourselves the time which need exact mosquitoes and gnats repellent. As ingredients of this device we used mixture of citronella oil, cedar oil, lemon-grass oil and coconut oil geranium oil, clove oil, neem oil and known herbal repellents *maduruthala, Agil, suduhadun, gugul, katphala, jatamansha, dummala* that all derived from plants. the combination of herbo-electronic mosquito repellents, devices fit with repellent mats which release chemicals. The chemicals are heated by a fuel cartridge or circulated by a battery-powered fan. this one does not produce any foul smell, nor should the stuff be applied on the skin or clothes. Repellents have prevented countless cases of malaria, dengue. Transmission by arthropods fever, encephalitis, and other mosquito-borne diseases. Chemical substances that have repellent effects enable us to go places and do things in insect- and disease-infested areas while avoiding disease and it purified of air and that can be used as a air sterilizer in domestic environments and.

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