Using Unmanned Vehicles With Mounted Bug Zapper To Kill & Track Mosquitoes

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***Abstract*— Mosquitoes born diseases kill millions of human per year. Popular methods of controlling mosquitoes such as pesticide or adulticides are effective, but they introduce long term damage to the environment. Bug zapper are effective at killing mosquitoes, they can be mounted on unmanned vehicles and autonomously seek out mosquitoes in their breeding grounds such as ponds and swarms. Instrumentations on the bug zapper will log the position and weather status during flight. Mosquito controllers can use this information to analyse the insects' activities. The device can be mounted on a remote controlled or autonomous unmanned vehicle. If autonomous, the vehicle can also use data collected from the electrified net to better plan its path.**

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