

## A Sticky Trap to Capture Medically important Filth Flies and Mosquitoes

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A new and modern sticky trap was developed for capturing filth flies and mosquitoes. It was tested in the field. It is equipped with two Bates ingress baffles as part of its design.

A new and effective infusion was developed and tested for attractiveness.

The trapping site has a variety of vegetation including maple trees (large and small), button bush (~50' X 100'), hemlock, and laurel bushes, etc. It was not a wetland.

Since there were a few mosquitoes at the proposed trap site, that site was selected for testing a trap that could be used for an insect surveillance device. The only trial for capturing flies and mosquitoes indicated that the Bates baffles needed an adjuster and the screen needed to be covered (or replaced) with a fine mesh cloth (chiffon).

The trap was retired on August 26, 2014, 34 days after it was set up. The captures and the prototype trap will be demonstrated at the Northeastern Mosquito Control Association Meeting in December 2014.