

ATSB Mosquito Bait and Comparison Study Fay-Prince vs Sentinel - Ann Herring

A. ATSB

1. Attractive targeted sugar bait
2. Liquid
3. Contains garlic oil
4. Terminix product
5. Questions
 - a) Would it work for the program
 - b) How do you use the product
 - c) Are there pros and cons
6. Study
 - a) Chose 2-3 sites per city with control
 - b) Used both types of traps at each site
 - c) Sites - evidence of breeding
7. Treatment
 - a) 1:3 ratio product to water
 - b) Handheld sprayer
 - (1) Strong garlic odor
 - (2) Thick and syrupy
 - c) Agitated sprayer while spraying
 - d) Applied to non-porous surfaces 1-5' above ground
 - e) Can see a sheen on leaves
8. Surveillance
 - a) Traps set 24 hours after treatment drying time
 - b) Picked up next day - identified
 - c) Set traps twice a week for 4 weeks
 - d) Traps
 - (1) Faye Prince
 - (a) CO2 baited (dry ice)
 - (b) Good for hang from tree
 - (2) BG Sentinel
 - (a) Used dry ice canister next to trap
 - (b) Trap sits on ground
9. Results
 - a) *Ae albopictus* primary mosquito caught
 - b) Results varied a lot
 - c) Rain may have played a role
10. Conclusions
 - a) Control and treatment showed similar changes
 - b) Treatment may not have been working

B. Comparison of two traps

1. Target species - *Ae albopictus*
2. BG caught more overall
3. Conclusion
 - a) BG are easier to use
 - b) BG needs less space for storage
 - c) BG is more efficient
 - d) Rain??