Mosquito Control

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Mosquito Life Cycle

Adult Stage
terrestrial
winged (only 1 pair!)
blood and sugar feeding
sucking mouthparts

mate once – female is set for life
up to 200 eggs per batch
blood required for egg development

Mosquito feeding:
-hosts
-time of day

Ochlerotatus taeniorhynchus

Florida Medical Entomology Laboratory
University of Florida
1996 Counties with Aedes albopictus Spread of the Asian Tiger mosquito in Florida Container Breeders
Floodwater species

Permanent Water Species

Tools for managing mosquitoes

- Mosquito surveillance and environmental monitoring
- Source Reduction
- Larviciding
- Adulticiding
- Biological Control
- Education
**Electronic Repellers**

**Bug Zappers**

**Citrosa Plants:**
“Mosquito Plant”

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**Bats**

**Purple Martins**

**Carbon Dioxide Attractant Traps**

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- Dump it out
- Clean it up
- Get the water moving!

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**Mosquito Dunks**

- **Bti** – *Bacillus thuringiensis israelensis*: Bacterial product that is specific for mosquitoes in the larval stage
  - Larval control in ponds, bird baths, water sources that can not be dumped out.

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**Mosquito fish, Gambusia**

Under certain conditions

**Methoprene**

Insect growth regulator

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**Spraying for Adult Mosquitoes**

Hand-held sprayers, foggers

**Barriers**

Under certain conditions