

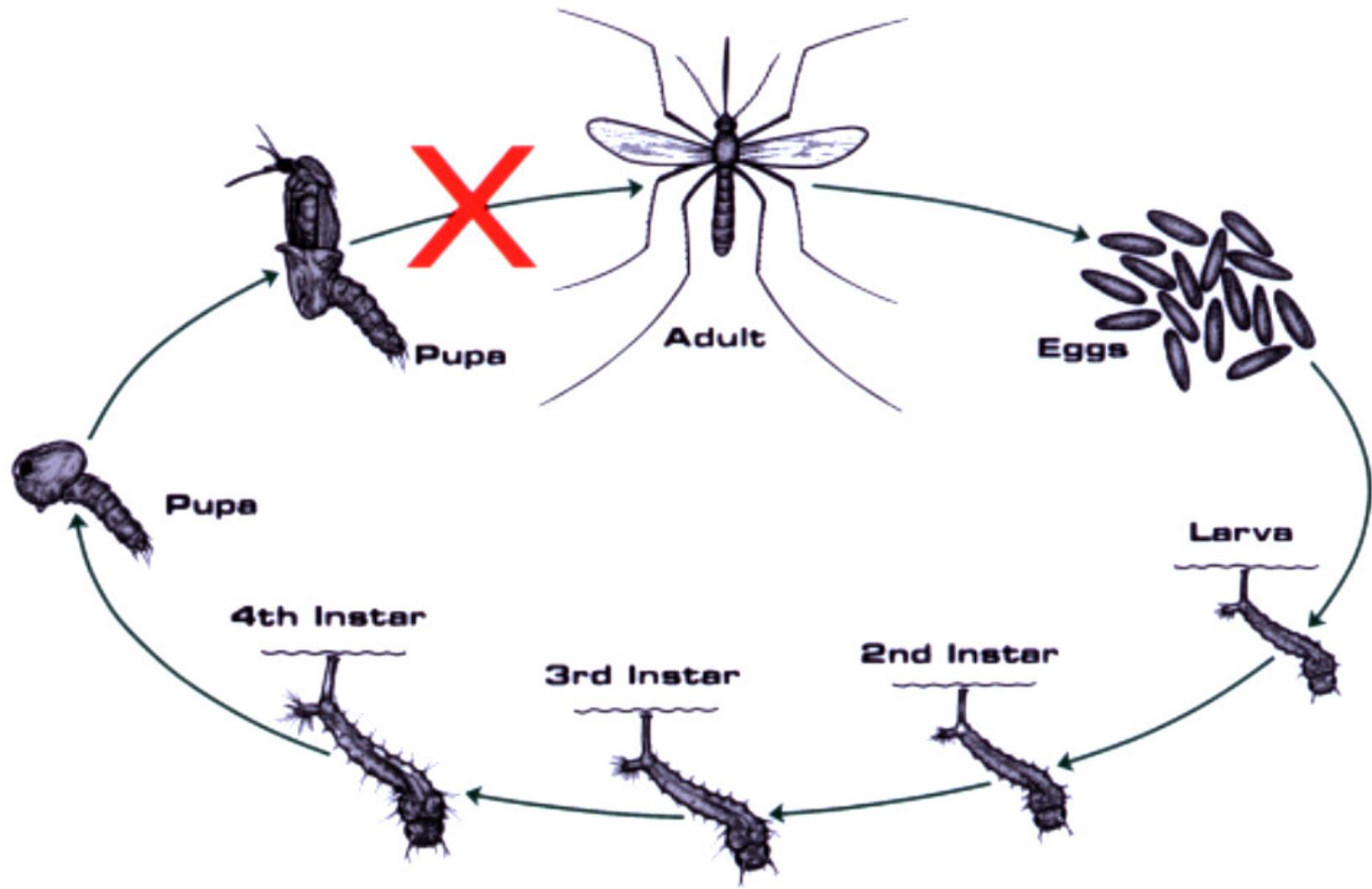
# Georgetown County Public Services Department Environmental Services Division Mosquito Control



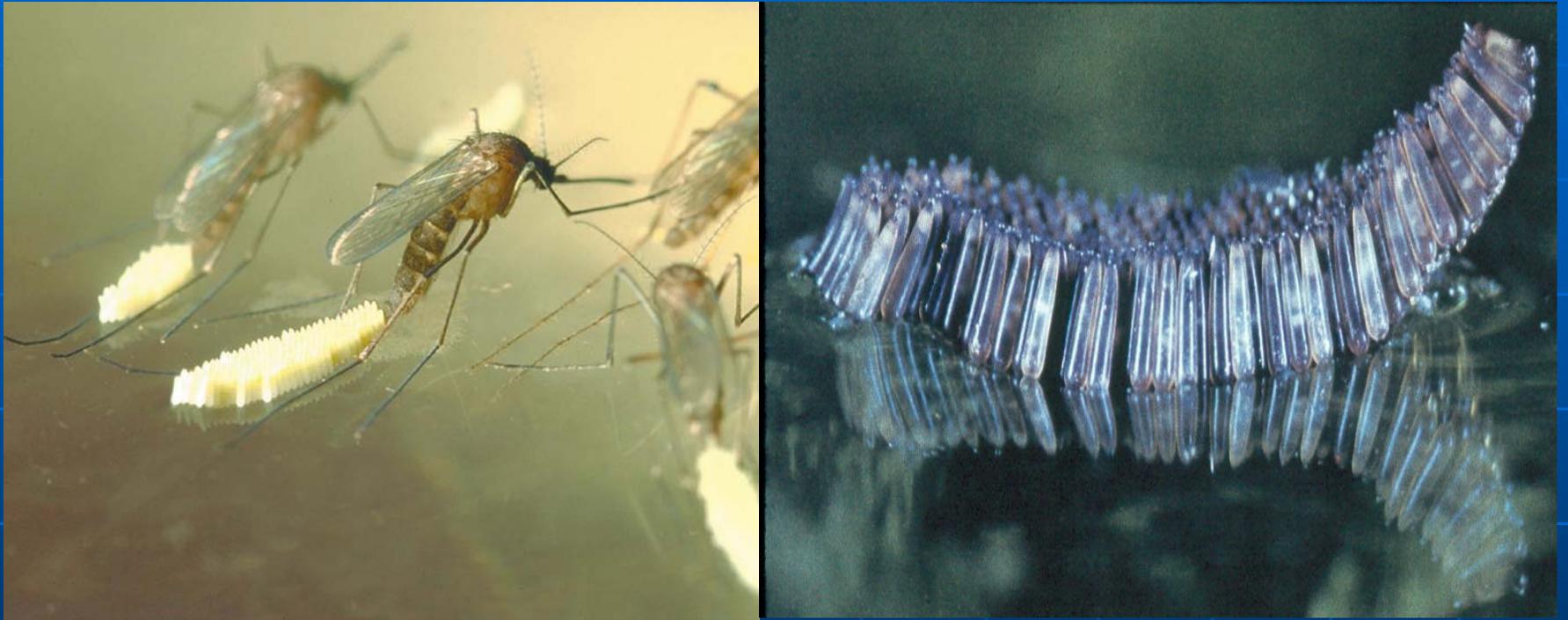
# Topics for Discussion

- Life cycle
- Components of Program
- Annual Responsibilities
- Partnerships
- Pro's Vs. Con's of Program
- Future Goals

# Mosquito Life Cycle



# Mosquito Life Cycle



1 egg raft = 150 eggs  
10 egg rafts x 150 = 1500

# Life Cycle



Larva



Pupa

# Pupa to Adult



# Breeding



Once Female Mosquitoes hatch their first task is to receive a blood meal to lay eggs.

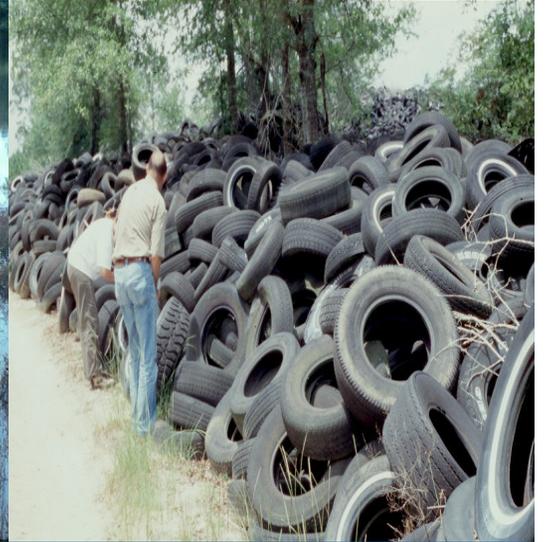
Adult mosquitoes only live two to three weeks!

# Major Components of Integrated Mosquito Program

- Source Reduction
- Identification and Surveillance
- Larvaciding
- Adulticiding
- Education



# Source Reduction



# Additional Breeding Sites



# Surveillance



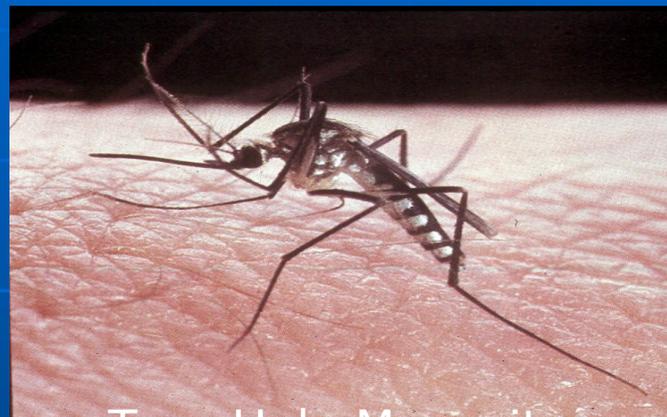
# Identification



# Species



Asian tiger



Tree Hole Mosquito



Yellow Fever Mosquito

# Ground Larvaciding



# Aerial Larvaciding



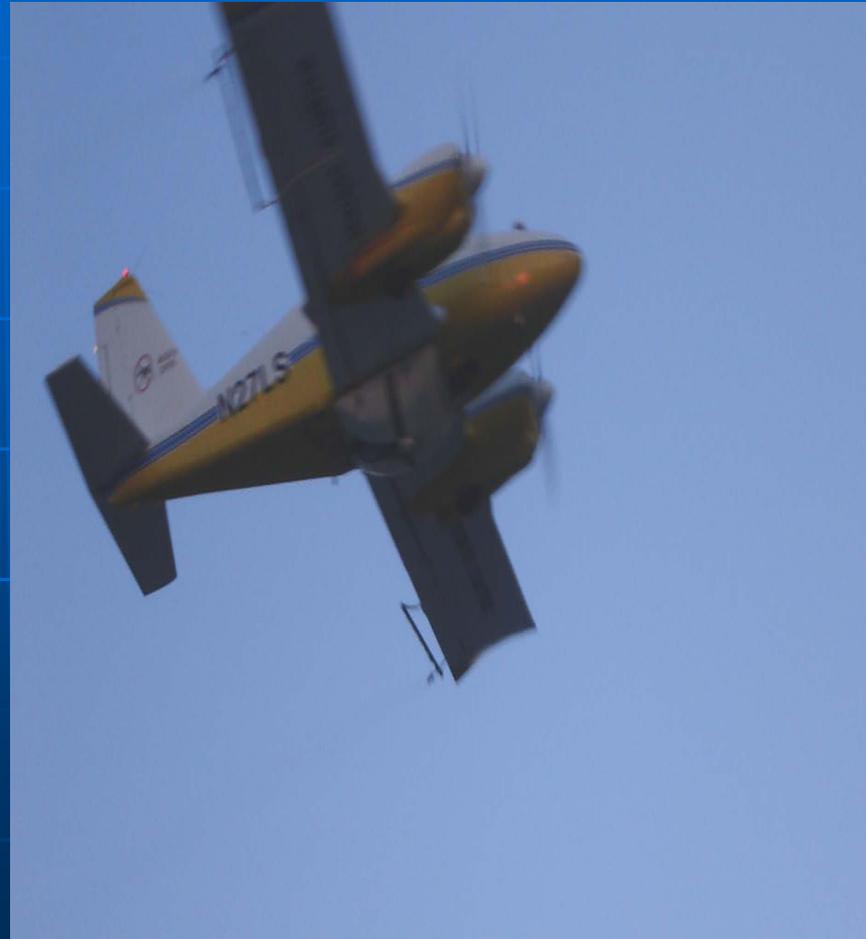
# Aerial Larvaciding



# Ground Adulicide



# Aerial Adulthooding



# Education

- Homeowners
- Libraries
- Environmental Education Center  
Visitors
- Office Brochures
- Newspaper Ads

# Annual Responsibilities

- April thru September- conduct surveillance, larvaciding and adultciding applications and some education.
- October thru December- winterize equipment, increase educational efforts and disperse to other divisions
- January thru March- continue educational efforts, continue to cross train in other divisions and attend training workshops

# Partnerships

- Stormwater Division
- Public Works Division
- Clemson Extension
- Neighboring Mosquito Control Programs
- South Carolina Mosquito Control Association

# Pro's vs. Con's

## Pro's:

- County Council & Administrator's Blessing
- Installation of Sand Mixing Plant
- Purchase of Argo, Trucks
- Partnership with Beekeepers
- Laboratory Work

## Con's:

- Bees
- Citizens resistant to chemical applications
- Weather conditions
- Georgetown County terrain
- Planned Development and Population Growth
- West Nile Virus

# Future Goals

- Phase I-Increase manpower, equipment and utilize additional Gambusia Mosquito Fish
- Phase II- Construct State of the Art Facility
- Phase III- Hire seasonal Pilot and Purchase County Owned Aircraft

# Questions